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DID YOU KNOW? After the Hurricanes...

Some estimates from the Louisiana Department of Environmental Quality (mostly for southeast Louisiana):

- 1 million tons of white goods (refrigerators, washers, dryers, etc.) to be recycled
- 350,000 automobiles to be drained of oil and gasoline and then recycled
- 60,000 boats to be staged and possibly destroyed
- 140,000 to 160,000 impacted homes may need to be demolished
- 22 million tons of debris to be collected from Katrina; half million ton of debris from Rita
- Tens of millions of tons of hazardous waste to be collected and properly disposed
- Approximately 1,000 underground storage tanks to be addressed
- 2,500 railroad cars affected, 250 derailed, no leaks
- Total estimated volume pumped from New Orleans to Lake Pontchartrain: 8.86 billion cubic feet, or 4.5% of the volume of Lake Pontchartrain

SAFETY TIPS - Following the Storm

- Watch for and avoid possible combustible or explosive gases. Watch for broken gas or other lines, methane from decaying material, etc.
- Open all windows when entering a building. If you smell gas, do not introduce source of ignition; evacuate the area; notify authorities.
- Avoid carbon monoxide poisoning.
  - Don't use fuel-burning devices such as generators, pressure washers, camp stoves, or grills in homes, garages, or within 10 feet of windows, doors, or other air intakes.
  - Have vents and chimneys checked before using.

See additional cautions, helpful clean-up safety information, and links at www.epa.gov/katrina/sep14returnhomeadvisory.htm

Proposed Stationary Diesel Engine NSPS. On July 11, the USEPA published the proposed New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines at 40 CFR 60 Subpart IIII. EPA is under a court order to finalize this NSPS by June 2006. This rule will apply only to stationary diesel engines, not portable units or motor vehicles, and not gasoline or natural gas engines (both of which use spark ignition). The NSPS will apply to all new, modified, or reconstructed stationary diesel engines no matter how small or how few hours they operate. Typical sources regulated by this NSPS are stationary diesel engines used for compressors, pumps, or emergency generators. Note that for any non-vehicle engine that runs on any type of fuel, there may also be state permitting and/or notification requirements. For more information, call Steve Seachman at 615/778-2535.

Wastewater Treatment - Hot Issues. Nutrient removal and bacterial removal from wastewater plant effluents are the impending regulatory initiatives facing municipal and industrial WWTPs. Beginning in the Chesapeake Bay watershed (New York, Pennsylvania, Virginia, and Maryland) in September 2005, and moving to the Mississippi River watershed next year, these standards will be a significant challenge for all dischargers. The new standards will start with monitoring requirements for nitrogen (N) and phosphorus (P). The regs will then move to add hard limits for N and P within a few years. Many plants (146 in Pennsylvania) will have to redesign and upgrade to meet these limits. Bacterial limits will follow. In the Chesapeake, a unique nutrient trading program is also being proposed between point source and non-point source dischargers. For more information, call Daniel Bentivogli at 716/856-2142.

New Jersey Field Sampling Procedures Manual. The August 2005 edition of NJDEP's *Field Sampling Procedures Manual* replaces the 1992 edition as the most current technical guidance associated with procedures and equipment used for the collection of environmental samples. A copy of the manual is available at www.nj.gov/dep/srp/guidance/fspm. For additional information, contact Devang Patel at 908/226-1611.

New Certification Program for Environmental Contractors and Consultants in Arkansas. Act 2141 of the 2005 Arkansas legislature has established a professional certification program for certain environmental assessments, investigations, responses and remedial actions. The Arkansas Department of Environmental Quality (ADEQ) will develop a regulation that outlines certification requirements. Among those who must be certified: those who conduct or undertake Phase I, Phase II, or Comprehensive Site Assessments, and activities conducted through the state programs for Hazardous Waste Management, Remedial Action Trust

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Fund, and Voluntary Clean-Up. For now, contractors and consultants are asked to file a Notice of Intent with ADEQ to become certified when the regulation is finalized. Online registration is available under the Hazardous Waste section of ADEQ's website www.adeq.state.ar.us. For more information, call Jerry Taylor at 225/292-9007.

Check for Emergency Rules/Waivers. In the wake of the recent hurricanes, regulatory agencies responsible for permitting and enforcement have provided various forms of relief from specific requirements. For example, the Louisiana DEQ issued Emergency Rules, based on models used previously in Florida, providing for certain reporting and repair exceptions, emergency variances, etc.; the Louisiana Department of Natural Resources issued a memorandum concerning specific exceptions; and the U.S. Corps of Engineers has provided emergency permitting procedures to expedite repairs and recovery. Affected facilities should coordinate with the pertinent regulatory staff to determine whether waivers or other relief are available for conditions arising from a natural disaster. For additional information, contact Andy Goldberg at 225/292-9007.

New TRRP Guidance (Texas). The TCEQ's new Texas Risk Reduction Program (TRRP) Guidance Document, TRRP-34, "Facility Operations Area," provides guidance on the information and procedures necessary to establish a Facility Operations Area (FOA). An FOA can be set up to address multiple sources of chemicals of concern within an operational chemical or petroleum manufacturing plant that is required to perform corrective action under 30 TAC §335 and pursuant to TRRP. However, an FOA cannot be used if the site is in the Voluntary Cleanup Program. The document is available at www.tceq.state.tx.us/remediation/trrp/guidance.html. For more information, call Ken Forster at 512/506-8803.

Ontario Air Regulations. The Ontario Ministry of the Environment (MOE) has moved forward with the amendments to Ontario Regulation 346, and the new Regulation 419/05 is now approved and will come into force on November 30, 2005. A copy of the regulation can be found at www.e-laws.gov.on.ca/DBLaws/Regs/English/050419_e.htm. The corresponding exemption regulation for Air approvals is located at www.e-laws.gov.on.ca/DBLaws/Regs/English/980524_e.htm.

The following provides a brief overview of the legislation as it may affect your operations:

- the point-of-impingement (POI) criteria and averaging times will be changed;
- the POI criteria for some compounds have been reduced; and
- the regulatory model for demonstration of compliance has changed to the USEPA suite of models including the AERMOD model. AERMOD can result in a modeled increase of off-property concentrations 2 to 20 times higher than the previously used models.

For additional information, call Gord Reusing at 519/884-0510.

Recent Publication. "The Building Decommissioning Assessment: A New Six-Step Process to Manage Redevelopment of Brownfields with Major Structures" by Fred Blickle and Brad Gallant, appeared in the June 2005 issue of *Environmental Practice* magazine, the publication of the National Association of Environmental Professionals. The article summarizes key steps for assessing and decommissioning buildings, and examines recent case studies where the process was successfully implemented. For additional information or a copy of the article, call Brad Gallant at 734/453-5123.

In-Situ Remediation Course. A four-hour short course on "Evaluating the Effectiveness of In-Situ Remediation" will be presented by Michael G. Mateyk and Dr. Alan Weston as follows: Princeton, NJ (Oct. 26th); Atlanta, GA (Nov. 8th); Houston, TX (Nov. 10th). Current CRA clients will receive complimentary registration. All participants will receive a free copy of the Remediation Toolkit software package (valued at $1000). For more information or to register for this course, visit www.craworld.com/ISR_Course.asp or contact Sylvana Gines (sgines@CRAworld.com; 519/884-7780 x3480).

CRA JOURNAL INFORMATION

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