



DRAFT

NOTICE OF OPEN MEETING

The meeting will also be streamed live from the Department's website at:
dnr.mo.gov/videos/live.htm.

DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM HAZARDOUS WASTE MANAGEMENT COMMISSION AGENDA

June 19, 2014

**Department of Natural Resources, Hazardous Waste Program
Bennett Springs/Roaring River Conference Rooms
1730 E. Elm Street
Jefferson City, MO 65102**

Note: Persons with disabilities requiring special services or accommodations to attend the meeting can make arrangements by calling the commission assistant at (573) 751-2747 or writing to the Hazardous Waste Program, P.O. Box 176, Jefferson City, MO 65102. Hearing impaired persons may contact the Hazardous Waste Program through Relay Missouri at 1-800-735-2966.

9:45 A.M. EXECUTIVE (CLOSED) SESSION

In accordance with Section 610.022 RSMo, this portion of the meeting may be closed by an affirmative vote of the Commission to discuss legal matters, causes of action or litigation as provided by Subsection 610.021(1). RSMo.

10:00 A.M. GENERAL (OPEN) SESSION

The General (Open) Session will begin promptly at 10:00 a.m., unless an Executive (Closed) Session has been requested; after which, the General Session will start as specified by the Commission's chairman.

Commissioner Roll Call

1. Pledge of Allegiance – Commissioners
2. Approval of Minutes – General (Open) Session, April 10, 2014 – Commissioners

Information Only

3. Rulemaking Update – Tim Chibnall, Director's Office, HWP

Page Two

4. Legislative Update – David J. Lamb, Director, HWP
5. Departmental Risk Based Target Levels - Tim Chibnall, Director's Office, HWP
6. Tanks Section Update – Ken Koon, Chief, Tanks Section, HWP
7. Energy Policy Act Update – Heather Peters, Compliance and Enforcement, HWP
8. School Lab Activities – Tony Pierce, Compliance and Enforcement, HWP
9. Legal Update – Kara Valentine, Office of the Attorney General
10. Public Inquiries or Issues – David J. Lamb, Director, HWP
11. Other Business – David J. Lamb, Director, HWP
12. Future Meetings
 - Thursday, August 21, 2014 – to be held at the Bennett Springs/Roaring River Conference Rooms, 1730 E. Elm Street Conference Center, Jefferson City, MO

Adjournment

**MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE MANAGEMENT COMMISSION**

Meeting Date: June 19, 2014

ROLL CALL ROSTER

	In Person:	By Phone:	Absent
Chairman Michael Foresman	_____	_____	_____
Vice-Chairman Deron Sugg	_____	_____	_____
Commissioner Elizabeth Aull	_____	_____	_____
Commissioner Jamie Frakes	_____	_____	_____
Commissioner Charles Adams	_____	_____	_____
Commissioner Andrew Bracker	_____	_____	_____

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 1**

Pledge of Allegiance

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 2**

Approval of Minutes

Issue:

Commission to review the General Session minutes from the April 10, 2014, Hazardous Waste Management Commission meeting.

Recommended Action:

Commission to approve the General Session minutes from the April 10, 2014, Hazardous Waste Management Commission meeting.

GENERAL

SESSION

MEETING

MINUTES

GENERAL SESSION
HAZARDOUS WASTE MANAGEMENT COMMISSION
April 10, 2013; 10:00 A.M.
1730 E. Elm Street
Roaring River Conference Room
Jefferson City, MO 65102

(Note: The minutes taken at Hazardous Waste Management Commission proceedings are just that, minutes, and are not verbatim records of the meeting. Consequently, the minutes are not intended to be and are not a word-for-word transcription.)

The meeting was streamed live from the Department's website at: dnr.mo.gov/videos/live.htm.

COMMISSIONERS PRESENT IN PERSON

Vice-Chairman Deron Sugg
Commissioner Adams

The phone line was opened at approximately 9:35 a.m. for Commissioners calling in to today's meeting.

COMMISSIONERS PRESENT BY PHONE

Commissioner Jamie Frakes
Commissioner Andrew Bracker
Commissioner Elizabeth Aull

A Quorum was established at approximately 9:45 a.m.

Vice-Chairman Sugg called the General Session to order at approximately 10:04 a.m.

1. PLEDGE OF ALLEGIANCE

Vice-Chairman Sugg led the Pledge of Allegiance, and it was recited by the Hazardous Waste Management Commission (Commission) and guests.

A roll call was taken with Vice-Chairman Sugg, Commissioner Aull, Commissioner Adams, Commissioner Frakes and Commissioner Bracker acknowledging their participation in today's meeting.

2. APPROVAL OF MINUTES

- General Session minutes from the February 20, 2014, meeting:

Commissioner Frakes made a motion to approve the General Session minutes. Commissioner Adams seconded the motion.

A vote was taken; all were in favor, none opposed. Motion carried. Minutes were approved.

3. OFFICER ELECTIONS

Vice-Chairman Sugg advised the Commissioners that, per the Commissioners Operating Policies, it was the appropriate time for the Commission to hold their annual election of officers.

Vice Chairman Sugg began with the position of Chairman and inquired as to whether anyone wished to nominate someone for the position. Commissioner Adams made the motion to nominate Vice-Chairman Sugg to the position of Chairman. Commissioner Aull seconded the motion. A vote was taken; all participating Commissioners voted “aye,” none were opposed. The motion carried.

Chairman Sugg then inquired as to whether anyone wished to nominate someone for the position of Vice-Chairman. He made the motion to nominate Charles Adams to the position of Vice-Chairman. Commissioner Aull seconded the motion. A vote was taken; all participating Commissioners voted “aye,” none were opposed. The motion carried.

4. RULEMAKING UPDATE

Mr. Tim Eiken, Director’s Office, Hazardous Waste Program, addressed the Commission and advised he wished to provide them an update on rulemaking activities since their last meeting. He noted that the big thing that the Program had been working on is the “No Stricter Than” regulation involving chapters 3, 4, 5 & 7. He noted that since the Commissions’ approval of the Finding of Necessity at the last meeting, the proposed rule text had been completed for chapters 3, 4, 5 & 7, and efforts were focusing on additional text in other chapters, to correct references and update the incorporation by reference of federal rules. He advised the Commission that this was pretty much complete.

Mr. Eiken went on to note that the Program was working on the Regulatory Impact Report, which would be published for a 60 day comment period. He advised the Commission that this should be completed, and hopefully published, by their next meeting.

Mr. Eiken then advised the Commissioners that a Hazardous Waste Forum had been held since their last meeting, and additional items were discussed regarding changes to the rules that stakeholders had advised they would like to see. He noted that one of the issues discussed was “satellite accumulation.” He advised that the “no stricter than” changes to the rules would eliminate Missouri’s one year time limit; making the rule consistent with the federal requirement that does not have a time limit, but does have quantity limits. He stated that the federal requirement causes problems for some generators who have asked the Department to try to make additional changes that would address the issues. Mr. Eiken advised the Commission that the current language would be eliminated to comply with the legislation, but that the Commission may see comments requesting some type of consideration. He went on to note that the issue was being discussed, that any comments will be worked through at that stage of the rulemaking, and that considerations would be made at

that time. He advised the Commission to expect to see comments regarding this and that there would be additional discussions

He then noted that with regards to previous updates, the Tanks Risk Based Corrective Action rules had been filed a couple of months ago and that there was nothing new at this time. He went on to advise that with regards to operational rules for underground storage tanks, the Department was waiting on the federal language to come out and that when it did, the Department would proceed with Missouri's rule language.

Mr. Eiken advised the Commissioners that he had one other item that may be of interest to them, although it was not a DNR generated rule. He advised that, on March 17, 2014, the Department of Economic Development has proposed rules for the Brownfield Remediation Tax Credit Program and that DNR was currently reviewing these rules and determining whether to provide comments. He stated that these proposed rules could be found on the Secretary of State's web page, under the Missouri Register/Publications of Interest/Proposed Rules.

Commissioner Bracker advised Mr. Eiken that he would like to see the Department's comments, as the City of Kansas City may have their own comments and inquired if the Department's comments could be shared with the Commission before they were submitted, or if this was something that could only be shared afterwards. Mr. Eiken responded that it had not been determined yet if the Department would be submitting comments.

David J. Lamb, Director, Hazardous Waste Program, also responded to Commissioner Bracker and advised that once any comments were final that they would be shared with him.

Mr. Eiken advised that there was an April 16th deadline for the submission of comments on the proposed rules.

Vice-Chairman Adams inquired, as to whether there were instances where Missouri's rules could be an option, even if they were stricter than federal rules, as long as they were only an option?

Mr. Eiken responded that it was possible, and provided two examples; i.e. the railcar rule and ignitable waste storage. He also noted that stakeholders had asked if the same kind of flexibility could be applied to the satellite accumulation issue.

No other questions/comments were posed by the Commission. This was provided as information only and required no other action on the part of the Commission.

5. RADIATION TRANSPORT FUND UPDATE

Ms. Tiffany Drake, Federal Facilities Section, HWP, addressed the Commission and provided them with a PowerPoint presentation on how the radiation transportation fees were being used. Ms. Drake began with an overview of the fund, advising the Commission that she would be

providing information on where the fees come from, what they are used for, who is eligible for the training that is funded and what type of equipment the fund provides for.

Ms. Drake went on to note that legislation was passed in August 2009, and updated in 2012, which provides fees for the fund. She stated that shipments of radioactive waste that travel through Missouri are charged a fee, and outlined the different fee structures for high or low level waste, and rail or truck shipments.

Ms. Drake then advised that the fund provided training for emergency personnel in areas along the established transport routes who may respond to radiological transportation accidents or are first responders at radiological transportation accidents. Ms. Drake provided slides which outlined the established routes through Missouri and denoted the communities that were within these boundaries. She went on to describe the equipment these personnel were being trained on, how they operated, and the formula for how the equipment was to be distributed to these personnel following the training.

Chairman Sugg inquired as to the cost of the units described. Ms. Drake responded that the Canberra units were approximately \$800 and that the Ludlum units were over \$3000.

Chairman Sugg then inquired if additional protective gear was needed to respond to emergencies involving radioactive wastes, and if it was available, for any first responders who may detect radiation at an accident scene. Ms. Drake responded that some fire departments have haz-mat groups trained to handle these kinds of situations and some do not. It varies across the state.

Vice-Chairman Adams stated that the established routes have been shown in the presentation, and inquired as to whether some shipments may travel on alternate routes. Ms. Drake responded that alternate routes would only be used if they were going to a different destination, i.e., if a new disposal location was established, etc.

Vice-Chairman Adams then asked if Missouri itself had any radioactive waste being generated. Ms. Drake responded that waste was being removed from the Hematite site as it was being decommissioned, and from the FUSRAP sites. She noted that these were cleanup sites and were mostly low level, and that there were no high level wastes. She stated that Missouri had no high level wastes being moved, that the Callaway plant stored their waste on site.

Ms. Drake then provided a demonstration to the Commission of the two pieces of detection equipment that she had noted in her presentation. She demonstrated the Canberra, the Ludlum, the probes and all the attachments.

Ms. Kara Valentine, Commission Counsel, inquired as to whether these pieces of equipment were being used at the West Lake Landfill (WLL) site. Ms. Drake responded that they were doing some scanning. She noted that the Hematite site, where cleanup was being done, was also using scanning. She stated that the ground was being dug up six inches at a time, and then the area was scanned. She noted that the equipment she was demonstrating does surface

scanning and that most of the radioactive materials at the WLL were at a level deeper than surface level. She also noted that the EPA had done a complete walkover scan of the WLL site a while ago.

No other questions were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

6. E-MANIFEST

Mr. David Green, Fees and Taxes, HWP, addressed the Commission and advised them that he would be providing information on the new E-manifest system currently being developed, to meet the requirements of recent legislation. He noted that Congress passed enabling legislation for e-Manifesting on September 22, 2012; it was signed into law on October 5, 2012, and that, in response to this law, Missouri will be implementing an e-Manifest process.

Mr. Green advised that the federal legislation required that the process be implemented within three years of enactment and requires all manifests – both paper and electronic, be sent to the new system. He also advised that the legislation authorizes the U.S. Environmental Protection Agency to collect reasonable user fees for all system related costs, and the fees will be set for both paper and electronic manifests; but, a rule on fees has not yet promulgated as of this time.

Mr. Green went on to note that a “One Year” rule has been established at the federal level, which provides the framework for the use of e-Manifests and authorizes their use instead of paper submissions, along with establishing a policy on electronic signatures. This rule was published on February 7, 2014, and becomes effective on August 6, 2014. He advised that the states would be given an opportunity to provide input into the QA/QC of the manifest, the data access and the different types of reports that they would wish to be able to retrieve from the system. He stated that if the federal system contains the features Missouri has envisioned, the state reporting requirements could be dramatically reduced. He also noted that the generators that only have to report waste that they ship off-site could have their reporting completely eliminated.

Mr. Green advised that coordination had already begun with the states’ Information Technologies Services Division to develop an electronic reporting system; the first meeting was held on March 21, and that a second meeting had taken place.

Commissioner Frakes inquired as to whether law enforcement would have access to the e-manifest information. Mr. Green responded that they probably would but he did not know how or at what phase they would have that access. He did note that first responder concerns were discussed at meetings he attended.

Chairman Sugg inquired as to whether this streamlining would put the state in any danger of not knowing what is being generated. Mr. Green responded that generators would still have to report what waste was being generated and/or stored on site.

No other questions were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

7. FINANCIAL RESPONSIBILITY UPDATE

Mr. Michael Martin, Compliance and Enforcement Section, HWP, addressed the Commission and provided a PowerPoint presentation and update on the Department's process for maintaining financial responsibility (FR) at tank cleanup sites. He noted that as of March 18th, the number of sites that were out of compliance was down to 32, and that great strides have been taken to get to this point. Mr. Martin directed the Commission to note that in December there had been 43 sites in that status, with a large number of those from one company, with several locations, that was going through a bankruptcy. He noted that they had worked on reducing the numbers down to the 30 range.

Mr. Martin advised the Commission that Missouri law and regulation requires tank owners and operators to maintain FR so that they will have funds to take corrective action and compensate third parties for bodily injury and property damage if they have petroleum releases from their USTs. He went on to state that of the 3,167 facilities required to have financial responsibility, only 32 are currently without verified coverage. He also advised that 10 of those sites have been referred to the Attorney General's Office for legal action and 12 of those 32 have submitted applications to the Petroleum Storage Tank Insurance Fund and are pending approval for coverage; and that 10 of these sites are currently being handle by the Enforcement unit. He noted that this equates to a 99% compliance rate.

Mr. Martin also thanked the Commission for continuing to allow the Department to utilize the expedited enforcement procedure to address these facilities.

Chairman Sugg advised Mr. Martin that a 99% compliance rate was something to be proud of.

No other questions were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

8. FACT SHEET AND GUIDANCE UPDATE

Ms. Kathy Flippin, Chief - Compliance and Enforcement Section, HWP, addressed the Commission and provided a PowerPoint presentation and discussion on the Department's recent efforts to update their Fact Sheets and Guidance documents. Ms. Flippin noted that the Department had a large number of Fact Sheets, produced by a variety of divisions and programs, and noted where they could be accessed on the Department's website. She also noted that they could be accessed by Google, or any other search engine, by topic or by project, etc. Ms. Flippin went on to state that these fact sheets are provided by inspectors to sites they inspect to respond to questions, and are kept at facilities for reference. She noted

that they remove uncertainty and prevent delay in disseminating information; they provide for consistency and assist in a more complete compliance for the facilities.

Ms. Flippin then advised that House Bills 28 & 650 had prompted all fact sheets and guidance documents to be reviewed for accuracy, have the Division Director's name on them, and to have a statement printed on them that advises the reader that these documents cannot be used for enforcement or penalties unless the provisions are in rule or regulation. She noted that a list of Department documents had been provided to the Joint Committee on Administrative Rules. Ms. Flippin went on to state that these fact sheets had been developed over time in response to frequently asked questions, and that all kinds of stakeholders use them. As an example, Ms. Flippin referenced the Brownfields Voluntary Cleanup Program Fact Sheet. She noted that it provided information for applying to that program. She advised that other fact sheets for hazardous waste generators help in determining if the user is actually a generator, and provide information on how to manage the waste. She also stated that these fact sheets answer all kinds of questions and include a handbook for small quantity generators.

Ms. Flippin noted that the fact sheets show how to manage specific types of waste, and in different types of situations. She advised that they also provide information on specific problem areas, inspection checklists and references to other resources. Ms. Flippin gave an overview of a variety of different types of waste and situations which are covered in the fact sheets, and noted that these fact sheets are also a resource to the non-generator. She advised that they contained information on finding hazardous waste facilities, e-waste processing facilities, signing up for a Drycleaning Environmental Response Trust claim, information on closing UST's and AST,' assisted in steering people to other guidance that may be needed, and provided harder-to-find regulation references.

She noted that many of the Department's programs were involved in the updates, i.e., HWP, SWMP, APCP, etc.; and also advised that the "no stricter than" legislation would require that the hazardous waste fact sheets be updated again in 2015. Ms. Flippin asked the Commission if they would please advise her if they saw anything in any of the guidance documents that they believed needed changing, and inquired if they had any questions on the information she had provided.

No questions were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

1107 a.m. Commissioner Bracker advised he would need to leave the meeting at this time.

9. MISSOURI PESTICIDE COLLECTION EFFORTS

Mr. Dennis Hansen, Compliance and Enforcement Section, HWP, addressed the Commission and provided a PowerPoint presentation and discussion on the Department's new Pesticide Collection Program. Mr. Hansen began his presentation providing the Commission with an overview of 2012/2013 "Supplemental Environmental Project" (SEP) funded pesticide collection efforts the Department had coordinated from the Walmart settlement funds.

Mr. Hansen noted that the total weight collected was 123,046 pounds, and 491 households and farmers participated. Mr. Hansen advised that this was all accomplished with no accidents or major spills.

As background, Mr. Hansen advised that Walmart entered into a plea agreement in May 2013 with the Department of Justice's (DOJ) Environmental and Natural Resources Division for violations of the Federal Insecticide, Fungicide and Rodenticide Act in Missouri. In addition he stated that the Missouri Department of Natural Resources' Hazardous Waste Program received \$ 3,000,000 from the settlement to use for pesticide related activities.

Mr. Hansen noted that with these settlement funds the next step was for the Department to develop a Missouri Pesticide Collection Program Plan for 2014. He advised that the plan consists of 2 major goals; to conduct four pesticide collections in 2014, and develop an information/education program regarding responsible use and disposal of pesticide. These next steps also included the set-up of collection event locations and dates. He noted that the locations were selected based on agricultural census data, the demonstrated need, the population base, and geographic location. Mr. Hansen explained that the first event will be in Perryville, Missouri, on May 31. He noted that the preliminary focus would be to contract with a hazardous waste disposal business to conduct the collection events. He noted that they would need to advertise events, and connect with local partners to expand outreach.

Commissioner Frakes inquired as to whether there was an evaluation tool already established to determine if the collection events were a success. Mr. Hansen responded that the Department was putting a database together to collect information for determining the project's success. He also noted that there was a need to update the Department's Pesticide Collection Program web page. Additional efforts would include developing handouts for pesticide collection participants, writing e articles regarding the pesticide collection program, and work with the University Extension and Department of Agriculture to develop an applicator training module on pesticide disposal.

Mr. Hansen provided the Commissioners present with a copy of the Draft announcement for the May 31st collection event, noting there was information on the proper disposal process for a variety of items on the reverse side of the announcement that the Department hoped would be of benefit to anyone receiving the announcement.

Commissioner Frakes also inquired as to whether there was any model used by other states that Mr. Hansen may have seen that may be of benefit, or if Missouri was on its own? Mr. Hansen responded that Missouri was on its own, and inquired as to whether the Commission had any suggestions that may be of benefit to these efforts. He noted that the Department's goal was to make sure that any efforts and expenditures were effective. He stated that the effectiveness of the program was based on the effectiveness of the advertising.

Commissioner Frakes expressed his appreciation for the information.

No other questions were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

10. QUARTERLY REPORT

Ms. Dee Goss, Public Information Office, provided the Commission with an overview of the October through December 2013 Quarterly Report. Ms. Goss noted the highlights of the issue and provided the Commission with the opportunity to pose any questions on the material provided.

Chairman Sugg noted that, as always, the report was very well done.

No other questions/comments were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

11. LEGAL UPDATE

Ms. Kara Valentine, Commission Counsel, Office of the Attorney General, addressed the Commission and noted there were a couple of items she wished to share with them at this time. She began with a show of support to the efforts to update and provide the fact sheets that were noted earlier by Ms. Flippin. She stated that even now she gets offenders who still say "I didn't know." She advised that these fact sheets are written in plain language, are easy to use and are a practical tool that can be provided to offenders.

Ms. Valentine began her report with information on the Hardesty site, noting that it was a 20 acre property in Kansas City, located approximately one-half mile west of I-435. She noted that it had been previously used for military purposes, one of which was permeating uniforms with chemicals that could ward off a gas attack. She advised that this site has contaminated soils and a TCE groundwater plume. Ms. Valentine went on to note that the General Services Administration, which manages all government property, had sold the contaminated site through an on-line auction, creating what is called at "early dirty transfer." Ms. Valentine followed with a few details of the transfer process.

Ms. Valentine followed with information regarding the left over funds from the 2012/2013 pesticide collection efforts, following the civil settlement from Walmart. She noted that there had been approximately \$70,000 left over after the collection events had been completed. She advised that discussion was held on what to do with these leftover funds, and the decision was made to use them for investigation or work on "orphan sites," or those who do not have an identifiable "primarily responsible party."

Ms. Valentine ended her presentation noting that there had been a question raised as to whether a Commissioner could assign his/her vote on an issue to another member of the Commission in a proxy vote. Ms. Valentine reported that she had looked in to the matter and that the Hazardous Waste Law would not allow the use of a proxy.

Commissioner Aull inquired as to how this question had arisen. Ms. Valentine provided the details of the receipt of the question.

No other questions were posed by the Commission. This was provided as information only and required no action on the part of the Commission.

12. PUBLIC INQUIRIES

Mr. David J. Lamb, Director, Hazardous Waste Program, advised the Commission that he had not received any requests from the public, to address the Commission.

13. OTHER BUSINESS

Mr. David J. Lamb, Director, Hazardous Waste Program, addressed the Commission, beginning with congratulating the new Chairman and Vice-Chairman on their election. Mr. Lamb went on to report that the Senate had finished the markups to the budget, with just a few items left to go through conference. He advised that the Hazardous Waste Program's budget was in good shape and had gone through pretty much as recommended, but that the legislature had reduced the governor's recommended pay plan for state workers from three percent to one percent.

Mr. Lamb then went on to discuss other legislation, starting with SB968, the omnibus bill, which contained several provisions related to the Department; including the extension of the rad transport fees and changes to the language related to the Commission's ability to establish fees by rule. He also provided information on Senate Bill's 507 and 667, which could affect Commissioner's serving in expired terms. Mr. Lamb also discussed bills related to electronic recycling; noting that SB571 was voted down in committee; but, that HB2212, a similar bill, has been put forward with some changes. He noted that this bill included a fee structure change as well as language that would provide exemptions from hazardous waste regulations. Mr. Lamb advised that there did not appear to be any strong push behind the bill. He then inquired if the Commissioners had any questions.

Mr. Lamb then discussed a large settlement that had recently been reached between the Department of Justice and Andarko. He noted that this settlement was for 5.1 billion dollars, resulting from a bankruptcy. Mr. Lamb advised that there were two sites in Missouri, both in the Resource Conservation and Recovery Act Corrective Action program, which would receive funds from a 46 million dollar multi state trust, for cleanup activities. He also advised that 5.9 million would go to Missouri for natural resource damages.

Mr. Lamb then discussed the Tanks Backlog Strategy document, noting that it had been finalized since their last meeting. He indicated that it had been signed by the Department and the Petroleum Storage Tank Insurance Fund, and that they were hopeful the strategies would help reduce the tanks backlog.

Mr. Lamb wrapped up his presentation noting that Jim Belcher had recently retired, leaving the Section Chief position open in the Brownfields Voluntary Cleanup Program section. He advised the Commission that Scott Huckstep would be serving as the “Acting” Section Chief until this position could be filled. Mr. Lamb then reminded the Commissioners that the Missouri Ethics Commission still needed a couple of the Commissioner’s Personal Financial Disclosure forms, which were due by May 1; and, Chairman Sugg reminded the Commissioners on the phone to fax in or send it their Certification of Decision forms for the officer elections.

14. FUTURE MEETINGS

The next meeting of the Hazardous Waste Management Commission will be held on Thursday, June 19, 2014, at the 1730 E. Elm Street Conference Center.

Commissioner Frakes made the motion to adjourn the meeting at 11:37 p.m. The motion was seconded by Vice Chairman Adams.

Respectfully Submitted,

Debra D. Dobson, Commission Assistant

APPROVED

Deron Sugg, Chairman

Date

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 3**

Rulemaking Update

Recommended Action:

Information Only

Presented by:

Tim Eiken, Rules Coordinator, HWP

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 4**

Legislative Update

Issue:

Department staff will provide information on legislation of interest to the Commission and the Department, including both bills that were passed by the General Assembly and bills that were introduced but did not pass. In addition, Department staff will provide the Commission with some brief information on the budget for the Department passed by the General Assembly, and how it affects the Hazardous Waste Program.

Recommended Action:

Information Only

Presented by:

David J. Lamb, Director, HWP

Missouri Department of
Natural Resources

**Hazardous Waste
Management Commission**

Legislative Update
June 19, 2014



Missouri Department of
Natural Resources

Legislative Update

- HB 2006 - Appropriations Bill
- SB 642 - Department Omnibus Bill
- SB 504 – Electronic Posting of Proposed Rules
- Other Bills of Interest

Missouri Department of
Natural Resources

HB2006 – Appropriations Bill

- Includes appropriations for the Departments of Natural Resources, Agriculture and Conservation
- Hazardous Waste Program (HWP) included under Section 6.225, within the Division of Environmental Quality
- Passed by the Legislature and is currently pending the Governor's signature

Missouri Department of
Natural Resources

HB2006 - Appropriations Bill - cont.

The HWP receives budget authority under the following areas of the Departments budget:

- Hazardous Waste Program Core
 \$11.1 million and 134.42 FTE
- Petroleum Related Activities Core
 \$775,549 and 16.2 FTE
- Environmental Damages Core
 \$6,157,971

Missouri Department of
Natural Resources

HB2006 - Appropriations Bill - cont.

New Budget Items Affecting the HWP Include:

- A core transfer of 2 FTE and related appropriations from other areas of the Department's budget
- A new General Revenue decision item of \$22,000 for Superfund Operation and Maintenance obligations
- A 1% Cost of Living Adjustment (COLA) for staff beginning in January 2015
- Appropriations for a Department Integrated Data System

Missouri Department of
Natural Resources

SB 642 – Department Omnibus Bill

- Contains numerous provisions affecting the Department
- Contains provisions of other bills introduced such as SB968, SB664, and HB1302, which did not advance
- Passed by the Legislature in final days
- Governor has until July14, 2014, to act on the bill

Missouri Department of
Natural Resources

SB 642 - Department Omnibus Bill - cont.

Department Bill Provisions

- Extends the Solid Waste Program's scrap tire fee
- Renames the Land Reclamation Commission to the Missouri Mining Commission and changes the composition of its membership
- Restricts regulation of wood burning heaters or fireplaces
- Restricts revisions to water quality standards and requirements for Publicly-Owned Treatment Works

Missouri Department of
Natural Resources

SB 642 - Department Omnibus Bill - cont.

HWP Bill Provisions

- Extends the sunset date of the Radioactive Waste Transport Program
- Revises the fee structure language for the Hazardous Waste Management, Mining, Air Conservation, and Clean Water Commissions

Missouri Department of
Natural Resources

SB 642 – Department Omnibus Bill – Cont.

Radioactive Waste Transportation Program

- Found in Section 260.392 RSMo
- Sunset date extended nine years from August 28, 2015 to August 28, 2024
- Legislative oversight scheduled to review this program

Missouri Department of
Natural Resources

SB 642 – Department Omnibus Bill – Cont.

Hazardous Waste Fee Structure

- Minor changes made to process established last year by HB28/650 for implementing changes to the fee structure by rule
- Affects Fees found in Sections 260.380 and 260.475 RSMo (Generator Registration and Renewal, In-state and Out-State Generator, and Land Disposal Fees)

Missouri Department of
Natural Resources

SB 642 – Department Omnibus Bill – Cont.

Hazardous Waste Fee Structure Language Changes

- Clarifies that the Department may conduct a comprehensive review and propose changes to the fee structure
- Clarifies that a 2/3 majority, or 5 of 7 Commissioners must approve the proposed change to move forward with filing the proposed rule
- Changes language allowing fee changes to go into effect on the next calendar year, as opposed to the next odd-numbered year
- Extends the sunset date one year from August 28, 2023, to August 28, 2024

Missouri Department of
Natural Resources

SB 642 – Department Omnibus Bill – Cont.

Process to Change Fee Structure

- The comprehensive review shall include a stakeholder process;
- Department to submit fee structure with stakeholder agreement to the Commission;
- The Commission shall review the proposal at their next meeting, but shall not vote on the proposal until a subsequent meeting;
- If the Commission approves by a 2/3 majority, the Department can proceed to file the proposed rule;

Missouri Department of
Natural Resources

SB 642 – Department Omnibus Bill – Cont.
Process to Change Fee Structure

- The order of rulemaking would need to be filed by December 1st of the same year with the Joint Committee on Administrative Rules;
- The General Assembly would then have 60 calendar days from the start of the legislative session to disapprove of the rule; and
- If not disapproved, the fees would go in effect the following January 1st.

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SB 504 – Electronic Posting of Proposed Rules

- Requires agencies to place a “proposed rule” hyperlink on the home page of its official internet website
- The proposed rule webpage shall include, within one business day of the rules publishing in the state register, a rule summary, full text of the rule, and the fiscal note
- Must also have a hyperlink to the rule in the Missouri Register and all material incorporated by reference
- Delivered to Governor on May 30th

Missouri Department of
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Other Bills of Interest which did not Pass

- HB 2212 and SB 571- would have repealed existing e-scrap program and established a program implemented by solid waste management districts
- HB 1946 – would have made changes limiting the use of local ordinances to prohibit well construction when otherwise allowed
- HB 1884 & SB 507 – would have established limits on Department Director’s serving in acting capacities and Commission members serving in expired terms; would have required voter approval

Missouri Department of
Natural Resources

Questions

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 5**

Departmental Risk Based Target Levels

Issue:

The Hazardous Waste Program (HWP) previously informed the Commission that, with the assistance of the Missouri Department of Health and Senior Services, the HWP would be updating the Risk-Based Target Levels (RBTLs) found in the 2006 Missouri Risk-Based Corrective Action (MRBCA) guidance document (non-tanks). While that remains the case, based on their interpretation of 10 CSR 25-18.010 Risk-Based Corrective Action Process, it has determined that the update must occur via a rulemaking. Therefore, the HWP will seek to amend 10 CSR 25-18.010 to facilitate updating the 2006 RBTLs.

The RBTLs will be updated using the same methodology, equations, and input values (e.g., toxicity factors, exposure factors, etc.) that are used by the Environmental Protection Agency (EPA) to develop their Regional Screening Levels (RSLs). As a result, the updated RBTLs will be the same as the RSLs except that, for carcinogenic chemicals, the updated RBTLs will be calculated to meet a 1 in 100,000 Incremental Excess Lifetime Cancer Risk (IELCR) rather than the 1 in 1,000,000 IELCR used by EPA. The RBTLs for non-carcinogenic chemicals will be equivalent to the corresponding RSLs.

Information:

Information Only

Presented by:

Tim Chibnall, Director's Office, HWP

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 6**

Tanks Section Update

Issue:

Tanks Update

Information:

- MWCC Conference
- Training for Staff and Consultants
- Tanks Cleanup Statistics and Progress
- Abandoned Tank Projects

Recommended Action:

Information only.

Presented by:

Ken Koon – Chief, Tanks Section HWP

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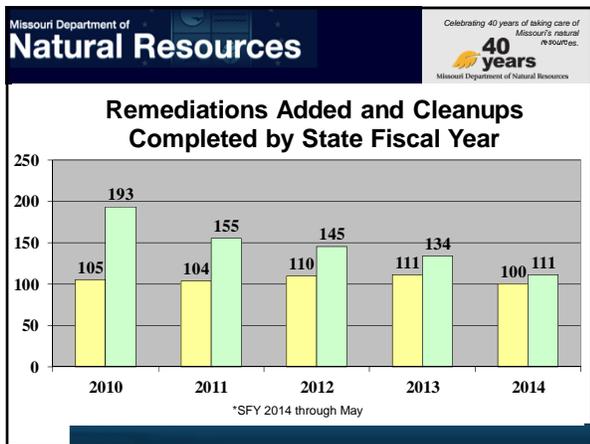
Tanks Update

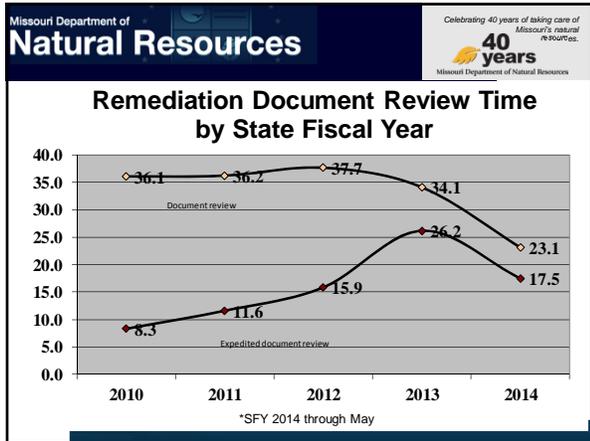
Ken Koon
Missouri Department of Natural Resources
June 19, 2014

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- Tanks Cleanup Statistics and Progress
- Abandoned Release Projects
- Efforts to Engage Stalled Cleanups
- Training for Staff and Consultants
- MWCC Conference





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Tank Cleanup Statistics (UST)

- Active Tanks – 9,116
- Closed Tanks – 31,603
- Confirmed Releases – 6,887
- Cleanups Completed – 5,959
- Cleanup Remaining - 928

March 2014

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Tank Cleanup Statistics (ASTs)

- Confirmed Releases – 467
- Cleanups Completed – 281
- Cleanups Remaining - 186

March 2014

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Abandoned Release Projects

- List of 118
- 100-150 files that are under review
- \$175,000 Grant for Drinking Water Sites
- St. Louis Project
- Kansas City Project

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Efforts to Engage Stalled Cleanups

- 52 sites that potentially have an Responsible Party or party willing to proceed
- PSTIF eligible
- Most had reached \$10,000 dollar deductible
- All sites have been reviewed by DNR
- DNR has initiate contact on most sites

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Remediation Training

- ITRC's LNAPL (Free Product) Training in April
- Bos 200 webinar on remediation technology in May/June
- Risk Assessment Report Webinar in July/August
- Transmissivity testing (LNAPL follow up)
- EPA Region 7 has some funding for state joint training

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MWCC Conference

- Hazardous Substance Site Locator Demonstration
- GeoSTRACT Demonstration
- Bos 200 Session
- Enhance Fluid Recovery Session
- Evaluation of Groundwater Use in Greene County Session
- Risk Assessment Discussion

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QUESTIONS

Missouri Hazardous Waste Management Commission Meeting

June 19, 2014
Agenda Item # 7

Energy Policy Act Compliance Update

Issue:

The Environmental Protection Agency's (EPA's) 2005 Energy Policy Act included changes to the Underground Storage Tank (UST) Program. Missouri has already implemented many of these new requirements. A few outstanding issues remain for the State to address.

Information:

The following list outlines the UST components of the 2005 Energy Policy Act and Missouri's status for each requirement:

- Delivery prohibition ("red tag") - *EPA Approved*
- State reporting, tracking, and public records - *EPA Approved*
- UST inspection frequency - *EPA Approved*
- Operator training – *Contract awarded. Anticipate being on-line in July.*
- Secondary containment – *Double-walled systems will be required for new tanks and/or piping installed after July 1, 2017.*
- Upcoming rule changes - *We will begin formal rulemaking as soon as EPA finalizes their rules (expected Fall 2014).*
 - State specific regulatory changes
 - Incorporate secondary containment requirements
 - Federal regulation changes

In the future, the Hazardous Waste Program may request the Hazardous Waste Management Commission promulgate rules to resolve the final item listed.

Recommended Action:

Information Only

Presented by:

Heather Peters, Compliance and Enforcement Section

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Energy Policy Act 2005 Underground Storage Tanks

Heather Peters
June 19, 2014

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Status

- ✓ Reporting and Recordkeeping
- ✓ Delivery Prohibition
- ✓ Inspection Programs
- ✗ Operator training
- ✗ Financial Responsibility OR Secondary Containment

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Operator Training

- Senate Bill 135 (2011)
- 319.130 RSMo
- PSTIF must decide whether to create and fund an operator training program

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Operator Training

- July 25, 2012 PSTIF Board voted to create operator training
- April 7, 2014 Inspection contract awarded
- July 2014 Expect training available on-line

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Financial Responsibility (FR) for installers/manufacturers

- 414.035 RSMo and 2 CSR 90-30.085
- Missouri Department of Agriculture
- All UST installers/manufacturers must provide proof of FR
- Only MO and KS opted for FR

January 18, 2013- EPA denies FR program

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Secondary Containment

- New (including replacement) tanks only
- Piping replacement (50% or more of a piping system within 1 year)
- Does not apply to existing systems (until replaced)
- Effective July 1, 2017

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Secondary Containment

- Double wall tanks
- Double wall piping
- Containment sumps
- Interstitial monitoring the system

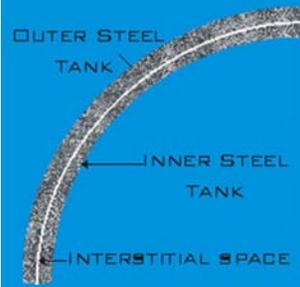
• We will not include spill basins, siphon piping, remote fills or vent piping

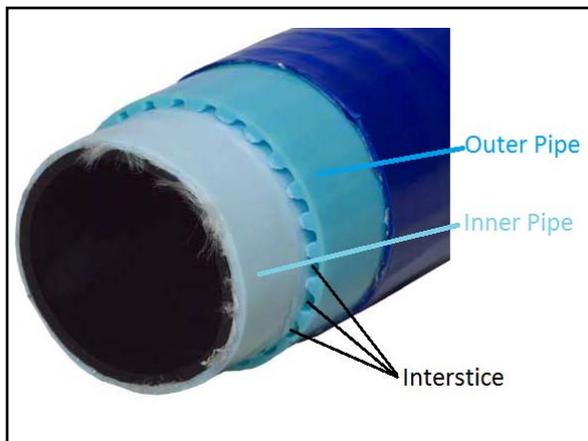
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Secondary Containment Terminology

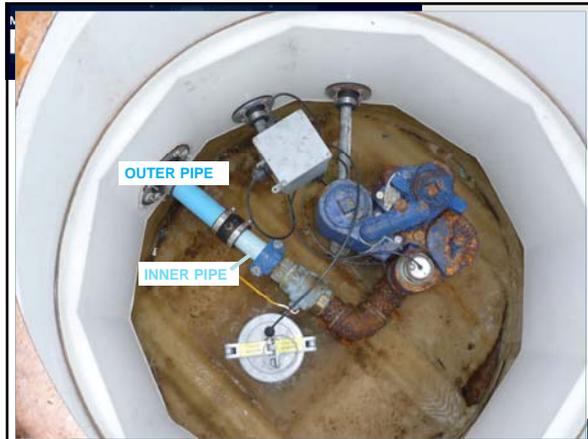
- Inner wall = primary
- Outer wall = secondary
- Space in between = interstice
- Monitoring between the two walls = interstitial monitoring





Interstitial Monitoring

- Liquid detection (sensor in interstice or in containment sumps)
- Brine measurements
- Vacuum/pressure testing or monitoring





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50% Piping System Replacement

- Within 12 month period
- For a piping system
 - Single tank's piping (single product)
 - 50% of manifolded piping
 - Not of the total site piping
 - Do not combine same products unless piping is manifolded

The *entire* piping system must be double walled with containment sumps and monitoring

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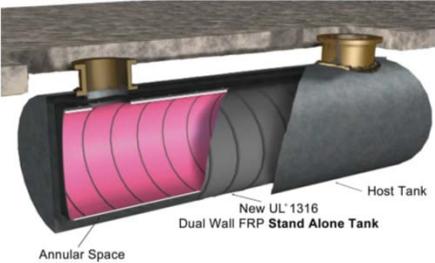
State Specific Changes/Discussions

- Shorten new install notice to 14 days
- Tie-down all new USTs
- Post-installation testing requirements
- Review the new tank-within-a-tank system
- Establish requirements for marina installs
- Prohibit installation of a new UST within 300 feet of an existing drinking water well

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Tank-within-a-tank



Annular Space

New UL 1316 Dual Wall FRP Stand Alone Tank

Host Tank

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State Specific Changes/Discussions

Release Detection

- Limit throughput on SIR
- Revisit "high-throughput" threshold
- Require Automatic Tank Gauges to maintain "backup"
 - Data upload or battery backup power

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State Specific Changes/Discussions

Interior linings

- Interior lining inspections must include photo/video documentation
- Interior lining repair/install technician must be NACE or ICC certified
- Include UL 1856
- No interior lining inspection required IF conducting interstitial monitoring

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Interior Linings

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State Specific Changes/Discussions Repairs/ Upgrades

- Cannot repair (or re-repair) a spill basin
- CP protected metal piping must be replaced if not protected for more than 90 days

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Other Federal Requirements

- On-site "walk-through" checks
- Testing:
 - Secondary containment
 - Spill basin
 - Overfill prevention equipment
 - Release detection equipment

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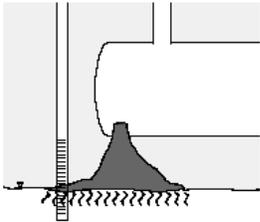
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Other Federal Requirements

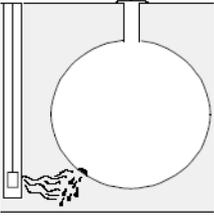
- New regulated tanks:
 - Airport hydrant/fueling USTs, field constructed (concrete), oil/ water separators?
- Eliminate groundwater and vapor monitoring
- State Program Approval must be "renewed"

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Groundwater Monitoring



Vapor Monitoring

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Outreach Efforts

- December 2013- 4 city outreach effort
- February 29, 2014- PACE Show
- April 10 & 17- HazMat Manager Conference
- April 17- PSTIF Advisory Committee

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EPA's Energy Policy Act

- Many of the requirements have been met
- Progress has been made with the last two issues
- PSTIF and MDNR are working with EPA to resolve the final issues





NEW TANKS RULES

DECEMBER 2013

VOLUME 1 ISSUE 1

Inside This Issue

New Tank Installations

Interior Linings and Old Steel Systems

Spill Basin and Containment Sump Testing

Detecting Releases

Secondary Containment or Double-Walled System

Operator Training and Testing

Self-Check: Walk-Through Inspection

Federal Regulation Changes - The Rest of the Story

Other Changes Being Considered



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Hazardous Waste Program
Tanks Compliance & Technology Unit
P.O. Box 176
Jefferson City, MO 65101-0176

573-522-5665

New Regulations Are Coming!

The Underground Storage Tank (UST) Program was created by the Solid Waste Disposal Act. The Energy Policy Act of 2005 amended the Solid Waste Disposal Act in ways that significantly affects federal and state UST programs. It will require major program changes and is aimed at reducing UST releases to our environment.

Missouri has already implemented several provisions of the Energy Policy Act including the fuel delivery prohibition, new reporting requirements and inspection of facilities every three years. Missouri is working to implement the remaining provisions including operator training and secondary containment system requirements.

While the department believes our existing state program, which requires financial responsibility for UST installers and manufacturers, meets the requirements of the 2005 Energy Policy Act, the U.S. Environmental Protection Agency (EPA) does not. Because of this, the department is moving forward to publish state regulations requiring secondary containment for new UST systems.

EPA is expected to release its new UST regulations next summer.

Improving Our Regulations

Often, the best way to learn how new regulation changes are working is to try them. Since enacting new regulations in 2011, we have received feedback indicating areas to improve.

This newsletter will cover regulation changes we must enact to satisfy federal requirements, changes we believe will better protect the environment and simply clarify what we expect. Federal mandates are not very flexible for interpretation and re-writing, but many of these proposed changes may be changed, enhanced or even withdrawn.

What We Need Is You!

We need your experience, knowledge and willingness to provide input of these proposed regulations. We want to make these regulations work for the Missouri UST community.





New Tank Installations

Several of the changes being considered will directly affect new tank installations. These include:

- Reducing the new tank installation notice from 30 days to 14 days in an effort to schedule new installation inspections more efficiently.
- Requiring new tanks be tied down. The installer will have to use manufacturer-approved straps and anchoring equipment.
- Prohibiting installation of USTs at new facilities to be within 300 feet of an existing drinking water well.
- Requiring testing of post-installation tank and line tightness to be conducted by a third party. The testing method must be approved by the National Work Group on Leak Detection Evaluations and conducted in accordance with approved testing protocol.

Interior Linings and Old Steel Systems

Interior linings are a critical part of the UST system and must be inspected. Interior linings have been installed to:

- Upgrade a steel tank.
- Repair a problem in a tank.
- Make the tank compatible with the product stored (e.g., an old fiberglass tank storing E-85).



The following lining requirements are being considered:

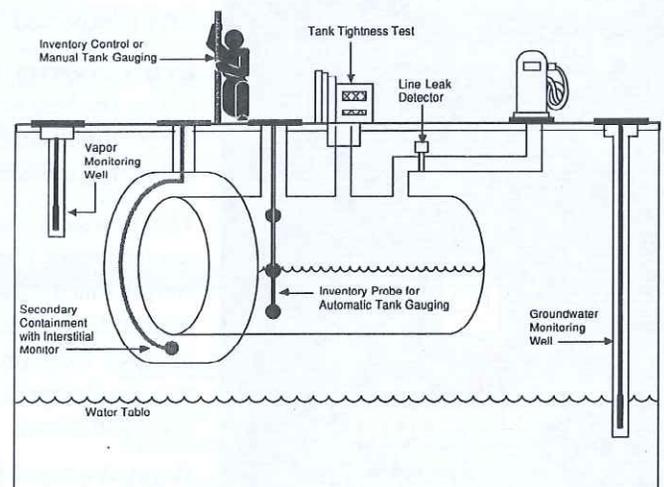
- Lining inspections must include video or photo documentation.
- Lining technicians must be certified by NACE International or the International Code Council (ICC).
- Include the new UL 1856 standard for internal retrofit systems.
- Allow double-walled linings to be interstitially monitored in lieu of the 5 year inspection.

Detecting Releases

Release detection equipment has improved by leaps and bounds since the original 1988 regulations. Electronic monitoring has become the norm and testing is more accurate. In light of these improvements, the following changes to release detection requirements are being considered:

- Prohibit groundwater monitoring after Jan. 1, 2016.
- Prohibit vapor monitoring (except chemical marker testing) after Jan. 1, 2016.
- Limit the use of statistical inventory reconciliation to sites where the throughput is less than twice the throughput third party testing has verified.
- Require automatic tank gauge owners to back-up data to a computer or maintain a battery back-up system.

EPA's proposed regulations may also include routine release detection equipment testing.



Secondary Containment or Double-Walled Systems

After July 1, 2017, all new UST systems must be completely double-walled with monitoring between the walls. This includes:

- Double-walled tanks.
- Double-walled piping.
- Containment sumps at the tank tops, beneath dispensers and piping transitions (already required in Missouri).
- Monitoring the area between the walls of the tanks and piping, as well as inside the sumps.



After July 1, 2017, double-walled tanks and piping will be required, as well as monitoring the interstice.

Operator Training and Testing

EPA now requires states to develop an operator training program. Some states require operators to pay for training and require them to attend training at a specified location. The Missouri Petroleum Storage Tank Insurance Fund is working to make an online operator training program available for free to Missouri operators.

As an alternative, Missouri is proposing to allow knowledgeable operators to skip the training if they pass a free online test. The fund hopes to have this program available in 2014.

Missouri will also be looking to establish the following operator training regulations:

- Qualified Class A/B Operator for all in-use facilities by Jan. 1, 2016.
- Class C Operators must be trained or pass a test by Jan. 1, 2016.
- Accept operator certifications from adjacent states.



Walk through inspections will require regular checks of release detection equipment, spill basins, containment sumps and more.

Self-Check: Walk-Through Inspection

The proposed federal requirements include mandatory self-inspections. These regular site checks must be documented and include:

- Dispenser checks.
- Tank top containment sump checks.
- Removal of water or liquid.
- Identification of leaks.
- Automatic tank gauge checks (or other method of release detection).
- Cathodic protection system checks (rectifiers, if appropriate).

Note: The frequency of these will be announced in the final version of the EPA regulations.

Federal Regulation Changes - The Rest of the Story

EPA also proposed regulating some USTs that have not been regulated under our authority before:

- Field constructed (concrete) tanks.
- Airport fueling tanks.
- Oil/water separators.



Spill Basin and Containment Sump Testing

Testing your spill basin and containment sumps may be done with electronic equipment, vacuums and even monitoring between any equipment that is double-walled. The Petroleum Equipment Institute's (PEI) Recommended Practice (RP) 1200 outlines protocols for testing spill, overflow, release detection and secondary containment equipment. The proposed federal regulations include testing requirements for all of this equipment.

Note: these regulations are draft and are subject to change.

Outlined below are a few of the steps. (Note: this is not a complete edition of the RP and may not be used as the protocol):

- Check the liquid level in the backfill.
- Close boots and remove sensors.
- Fill sump or spill basin.
- Test time is one hour.
- If the water level change is less than 1/8", the equipment passes.



The new federal regulations require testing of spill basins, overflow prevention equipment and containment sumps.

Other Changes Being Considered

Since enacting the 2011 rule package, we have noticed some "glitches," unclear language and other problems. Here is a list of some other items we are considering:

- Banning re-repair of a spill basin. Banning the use of epoxies and "spot fixes" and allow only manufacturer-approved retrofit or upgrade options are also being considered.
- Establish PEI RP 1000 as the requirements for new marinas.
- Require metal piping be removed or replaced if not adequately protected from corrosion for 90 days.
- Revisit "tank within a tank" to determine how and if it can fit into the definition and requirements for new tank systems. The proposal would outline the requirements for these systems.
- Federal regulations proposed routine testing of overflow prevention equipment. PEI RP 1200 outlines protocols for testing ball float valves (flow restrictors), flapper valves (auto shutoffs) and overflow alarms. In addition, many manufacturers established protocols for verifying the operability of their equipment.

All of the changes discussed in this newsletter are simply changes being considered. Some are based on EPA's proposed regulations, but are not final and are subject to change. We encourage your input and look forward to working with you to make the UST regulations work for all of us!

NEW TANKS RULES

If you would like to receive e-mail updates on these regulations changes, contact Heather Peters at heather.peters@dnr.mo.gov to be added!

DECEMBER 2013

Contact Information

Heather Peters
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102-0176

Web page

dnr.mo.gov/env/hwp/ustchanges.htm

Phone

573-522-5665

E-mail

heather.peters@dnr.mo.gov

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 8**

School Lab Activities

Issue:

School labs and wastes

Information:

The Commission to be provided an update on the compliance assistance and other activities the Compliance and Enforcement Section's Hazardous Waste Enforcement Unit have been working on this past year involving schools. Included in this update will be an overview of Compliance Assistance Visits, a unique enforcement resolution with Hazelwood School District, and abandoned wastes in Potosi.

Recommended Action:

Information only.

Presented by:

Tony Pierce, Compliance and Enforcement Section

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School Lab Activities

Tony Pierce
Hazardous Waste Program
Compliance and Enforcement Section



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Overview

- Previous assistance
- Current efforts
- Future plans



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Recent history with schools

- 2008 School Chemical Cleanout Project
 - Partnership with Environmental Services Program (ESP) and the Center for Safe Schools (Department of Public Safety)
 - Department of Homeland Security Grant funded
 - 239 schools participated and over \$400,000 spent



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Current activities

- Hazelwood
 - Enforcement case with an Administrative Order on Consent (AOC) in place
 - Poised to lay a foundation for other school districts needing assistance



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Hazelwood AOC terms

- Correcting all hazardous waste violations at schools in the district
- Developing a management plan to help prevent future violations
- Developing and providing training for its faculty and staff on hazardous waste recognition and management. Department staff will coordinate so this can be shared with other schools



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Hazelwood AOC progress

- Maintenance operations have changed to reflect requirements
- District is finalizing the plan for the schools
- Presentation is planned for the August pre-session
 - Completion deadline of September 5, 2014



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Current activities

- North Callaway High School
 - Compliance questions led to a Compliance Assistance Visit (CAV)
 - CAV will result in an updated building inventory/waste policy



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Current activities

- Park Hills
 - Retired teacher hoarded school chemicals at his home

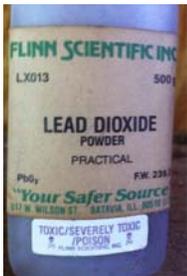


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Future plans

- Share the Hazelwood project with the Department of Elementary and Secondary Education (DESE)
- Continue with CAVs for schools requesting assistance



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Questions?

- Tony Pierce
Environmental Specialist
Hazardous Waste Compliance and
Enforcement Unit
(573) 751-3465
anthony.pierce@dnr.mo.gov

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 9**

Legal Update

Issue:

Routine update to the Commission on legal issues, appeals, etc.

Information:

Information Only

Presented by:

Kara Valentine, Commission Counsel

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 10**

Public Inquiries or Issues

Recommended Action:

Information Only

Presented by:

David J. Lamb, Director, HWP

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 11**

Other Business

Recommended Action:

Information Only

Presented by:

David J. Lamb, Director, HWP

Missouri Hazardous Waste Management Commission Meeting

**June 19, 2014
Agenda Item # 12**

Future Meetings

Information:

Meeting Dates:

Date	Time	Location
Thursday, August 21, 2014	9:45 A.M.	Bennett Spring / Roaring River Room 1730 East Elm Jefferson City, Missouri 65101
Thursday, October 16, 2014	9:45 A.M.	Bennett Spring / Roaring River Room 1730 East Elm Jefferson City, Missouri 65101
Thursday, December 18, 2014	9:45 A.M.	Bennett Spring / Roaring River Room 1730 East Elm Jefferson City, Missouri 65101
Thursday, February 19, 2015	9:45 A.M.	Bennett Spring / Roaring River Room 1730 East Elm Jefferson City, Missouri 65101
Thursday, April 16, 2015	9:45 A.M.	Bennett Spring / Roaring River Room 1730 East Elm Jefferson City, Missouri 65101
Thursday, June 18, 2015	9:45 A.M.	Bennett Spring / Roaring River Room 1730 East Elm Jefferson City, Missouri 65101

Recommended Action:

Information Only