

MONITOR

RADWASTE

MONITOR

...insight from the inside on government and commercial radioactive waste management

Volume 3 No. 20

June 28, 2010

— *INSIDE HIGHLIGHTS* —

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WCS, STUDSVIK FACE QUESTIONS ON FUTURE OF STORED B&C WASTE

DENVER, Colo.—Waste Control Specialists and Studsvik continued to face questions last week about the uncertainty of their joint venture to process and store Class B and C wastes in light of an ongoing dispute with Texas regulators. Though WCS and Studsvik believed the processed liners could be stored at the site indefinitely, the Texas Commission on Environmental Quality told WCS in May that it will enforce a 365-day limit, which expired for the first batch on waste on June 8 (*RW Monitor*, Vol. 3 No. 20). “We are going to continue to store the waste past the 365 days, until we can’t,” WCS’ Dan Burns said in response to questions at the Electric Power Research Institute’s low-level waste conference last week. “The [TCEQ] licensing branch has expressed the opinion that they are not enamored with indefinite storage. So, this is something we are adjusting to. The bottom line is ... they want to limit us to the restriction of 365 days for this waste. We’ve gone back to Texas and talked to them and we are having ongoing discussions with them that will allow to keep these liners beyond the 365, for a longer period.” Rickey Dailey, spokesman for WCS, told *RW Monitor* last week that the company expects discussions with TCEQ to be resolved in the next few weeks.

Speaking at the conference last week, Studsvik officials maintained that they do have the license capacity to accept the liners back at their facility in Erwin, Tenn. “We certainly have contingencies,” Studsvik’s Lloyd Solomon said. “There’s two to three other contingencies. We are able to take the waste back. If we were to stand there, in conjunction with the state of Tennessee and our contingency paths we would work on the solution. I don’t want to imply that ‘work on’ means it doesn’t exist. I don’t want to disclose what those solutions are because they are proprietary to our business.” EPRI’s Lisa Edwards asked Studsvik if one of their contingencies included taking the waste back, blending it with lower-activity waste and sending it to competitor EnergySolutions’ Clive, Utah disposal facility. “I would certainly say that if you see

blending as an option, as a prudent business we’d have to consider that as well,” Solomon said. “But there are other disposal sites and there are other opportunities to relieve at that point the situation of the waste.”

Recent TCEQ Concerns Spark Uncertainty

In May, TCEQ denied a WCS storage renewal request from June 2008, citing concerns over the Studsvik’s Class B and C liners stored at the site. WCS and Studsvik both interpreted the disposal site’s license as allowing indefinite storage, however TCEQ disagreed. “To our surprise, they decided to limit us to storing waste to only one year,” Jeff Havlicak, vice president of business development for WCS, said at the EPRI meeting last week. Nine liners are currently stored at WCS, and the one-year anniversary for the first of those waste shipments was up June 8, but Havlicak said, “There’s no indication that we’ll have to send those offsite anywhere.”

The waste in question is thermally treated and co-mingled metal and glass filters, processed at Studsvik’s Tenn. facility. WCS and Studsvik began jointly marketing treatment and storage services for Class B and C waste in the wake of the closure of the Barnwell, S.C., disposal facility to most generators in 2008. The hope was that WCS would be open and able to dispose of the out-of-Compact waste within that time, but because of delays in construction the site is now not anticipated to be open for disposal until mid-2011. Additionally, the Texas Compact has yet to approve the procedures that would allow it to consider a request to dispose of out-of-Compact waste at WCS. WCS said they expect to receive shipments of three additional liners from Studsvik within the next few months. “We are still open for business and still accepting waste for storage,” Burns said.

TCEQ Raises a Number of Concerns

In a May 24 letter to WCS, TCEQ denied the company’s request for an extension to the storage permit. “The justification for this determination is that new information

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in the amendment application itself and recent observations by TCEQ staff do not justify an extension of the 365-day storage term limit imposed by your license,” TCEQ’s Richard Hyde wrote. “First, the application form does not include sufficient details pertaining to the radioactive material data to assess how the extension will impact public health and the environment. Second, because this extension addresses material that has yet to arrive on site, TCEQ cannot determine the waste characteristics and preemptively license the extended storage for shipments expected in the weeks before June 8, 2010.”

TCEQ raised concerns that the financial assurances in place “[do] not benefit or adequately protect the State of Texas in the event of decommissioning, closure or unforeseen events in order to justify the long-term storage of this waste material.” TCEQ requested that WCS include TCEQ as a beneficiary on the irrevocable letters of credit for just under \$400,000 that Studsvik provides for its shipments of waste. “These letters need to include the TCEQ as the beneficiary and to be written according to TCEQ specifications for it to be financial assurance,” the regulator wrote in a May 25 letter to WCS.

But in a June 4 letter to TCEQ, WCS responded, “These amounts are for the benefit of WCS and are not relevant to TCEQ as WCS has provided more than adequate financial assurance for this material as part of the \$34 million in decommissioning” for its license from the state.

—Sarah Anderson

NRC AWAITING COMMISSION DIRECTION BEFORE MOVING ON BLENDING

While a Nuclear Regulatory Commission decision on the blending of waste appears to be on hold for the time being, the broad revision of the Part 61 radioactive waste classification system may be kick-started early by the NRC Commissioners in a staff requirements memo to be released in coming weeks. The SRM could also theoretically contain a decision on the issue of waste blending, though based on comments by the Commissioners in the meeting, the staff believes that the Commissioners may not issue a decision in the SRM resulting from the meeting. Instead, NRC staff expects that the Commissioners may ask for additional information such as an estimate of the amount of time and projected cost for the revision of Part 61 to make the regulation more risk-informed. The Commission may decide to keep the blending issue separate from the ongoing depleted uranium, or “unique waste,” rulemaking and instead direct staff to begin the revision to Part 61 in an expedited manner.

Commissioners Differ With Staff

In NRC staff’s vote paper on blending, issued April 7, staff recommended adding blending to the ongoing unique waste stream rulemaking, which up to now has focused on issues of disposing of depleted uranium. At a June 17 meeting on blending, several Commissioners raised the issue of whether it makes sense to tackle DU and blended wastes together (*RW Monitor*, Vol. 3 No. 20). Some, in particular Commissioner Bill Magwood, seemed inclined to address blending as part of the revision of Part 61. In his keynote speech at the Electric Power Research Institute’s radwaste conference, held June 21-24 in Denver, Colo., NRC Waste Management Division Director Larry Camper said that, according to his preliminary calculations, a risk-informed revision of the Part 61 rulemaking would take about five years and approximately \$2 million, requiring 10-12 full-time employees. “If the Commission directs us to proceed with a comprehensive rulemaking, either additional resources would have to be moved to that program as assigned by the Commission or we’d have to find other things not to do so those resources could be focused on the revision of Part 61,” Camper said.

All movement on updating regulatory documents pertaining to blending, like the Branch Technical Position on Concentration Averaging—a document that Camper said “needs to get better”—are being put on hold until the Commission makes a determination. “Staff hopes to complete it this year. However, we have delayed it for the time being,” Camper said. “It makes no sense whatsoever to continue to proceed to update that document when we were going to the Commission asking it to pursue a tremendous policy issue, blending. Whatever the Commission decides to do about blending we want to address in the BTP.” Camper said that the BTP update could be done as early as by the end of 2010, or in the first quarter of 2011.

EnergySolutions Seeks Permission to Continue Testing

The NRC began to look at the blending issue after industry representatives called for clarity at EPRI’s meeting in June 2009. EnergySolutions and Studsvik have both developed competing processes for handling Class B and C wastes in light of the lack of a Class B and C waste disposal pathway after the Barnwell, S.C. disposal facility closed to all but three states in July 2008. The issue has come to the forefront recently as the competing radwaste treatment companies have argued over EnergySolutions’ proposed blending process—mixing higher and lower concentrations of waste to make a mixture that can be classified as Class A waste and disposed of at its Clive, Utah, disposal facility.

Though the NRC Commissioners failed to make a decision on radioactive waste blending at a meeting earlier this month, EnergySolutions has had discussions with the state of Tennessee to allow the company to continue testing components related to its blending process at Bear Creek. EnergySolutions' license to test the equipment for its ResinSolutions blending process expired in November 2009 and to date the state has not approved the renewal application. "We were told by the Tennessee division of radiological health that they have reviewed it and don't have a problem with it, it is ready to go, but it is on hold by a higher authority than theirs," EnergySolutions' Thomas Magette said at the EPRI meeting last week. Magette said company representatives met with Tennessee state regulators twice last week.

At the NRC's Commission meeting June 17, Edward Nanney, director of Tenn.'s Division of Radiological Health, told the Commissioners that if the NRC moves forward on staff's recommended option to consider blending in the unique waste stream rulemaking, EnergySolutions could continue its blending efforts in Tenn. during the rulemaking process. "If we have a path to disposal and the Commission and its licensees are not clearly adverse to proceeding down this road, I would see that we could move forward with that pending some rulemaking," Nanney said June 17. At the EPRI meeting last week Magette said that EnergySolutions has additional testing to perform on commercial-scale blending, but "we are ready to blend resins on a relatively small scale as soon as we get authorization from the state of Tennessee."

—Sarah Anderson

WCS SAYS CONSTRUCTION COULD BEGIN BY LATE SUMMER

DENVER, Colo.—Construction may begin on the radioactive waste disposal facility in Andrews, Texas by late summer, Waste Control Specialists said at the Electric Power Research Institute's low-level radioactive waste conference here last week. That would allow the company to maintain its current estimated operational timeline of mid-2011. WCS officials said they expect approval of a minor amendment required by the Texas Commission on Environmental Quality in August, and they anticipate that Andrews County will issue the company \$75 million in bonds for construction around the same time. "Everything—our license condition 63, our minor application, our amendment application and the bonds—everything is kind of gravitating toward an August/September head which will allow us to start construction," Jeff Havlicak, vice president of business development for WCS, said at the meeting. "We have also evaluated construction contractors.

We are ready to select one. We have a detailed schedule for construction of the compact facility, which will be prioritized over the federal facility. We plan on constructing it first on a fast-track basis and the schedule is about 9 to 10 months."

Issuance of Bonds Challenged

In May 2009, the county approved the issuance of the bonds to WCS by three votes—642 to 639. But residents Melodye and Peggy Pryor sued, claiming that errors or omissions in some voters' registrations made the votes illegal. Though the 8th District Court in El Paso rejected their appeal in April, the Pryors filed an appeal to the Texas Supreme Court June 2 to overturn the bond election results. However, Havlicak said at the EPRI meeting June 23, "My understanding right now is Andrews County's judge is moving forward with the issuance of the bonds. . . . Andrews is not waiting for a ruling by the Supreme Court. They are moving forward and we expect those bonds to be issued in the September timeframe."

Additionally, WCS was dealt a blow when the Texas Compact Commission withdrew its proposed import/export draft rule at a June 12 meeting, effectively delaying action on that rule for at least six months. WCS has been open in saying it will require import to the site to be financially viable when it opens for operations. "What they are doing is they're going to go back and rewrite the draft rule and resubmit it for a 30-day comment and 30-day evaluation period, a total of a 60-day process, and we still expect to have a rule this year," Havlicak said. "The setback with the import rule is part of business and we're proceeding forward on all fronts."

—Sarah Anderson

MORE MEDICAL ISOTOPE GRANTS COMING AFTER NNSA REPROGRAMMING REQUEST

The National Nuclear Security Administration is planning to award two more grants to private industry aimed at jump-starting domestic medical isotope production by September, and recently asked permission of Congress to reprogram \$10 million to support the effort. The NNSA already awarded \$11.25 million to Babcock & Wilcox's Technical Services Group and GE-Hitachi earlier this year to address the worldwide medical isotope production crisis, and two more awards would further address the Obama Administration's goal of developing substantial domestic production capacity by 2013. The reprogramming request, which was sent to Congress June 10 and is close to being approved by the House and Senate Energy and Water Appropriations subcommittees, would shift \$10 million

that had been set aside for a full inventory of Department of Energy and NNSA nuclear material to determine whether there are materials that have other uses toward the effort.

According to the NNSA, the Department's Office of Health, Safety and Security has already completed the inventory—which developed out of a recommendation from DOE's Inspector General. "The funds would be better spent accelerating development of this critical domestic capability," DOE Chief Financial Officer Steve Isakowitz wrote in a June 10 letter to the top Democrats and Republicans on the Energy and Water Appropriations subcommittees.

Awards Expected by September

The NNSA recently solicited proposals from private industry for the Cooperative Agreements and anticipates awarding the grants by September, NNSA spokeswoman Jennifer Wagner said. The exact amount of each award is unclear, but Wagner said most of the \$10 million would go directly to the new agreements, with the remainder going to fund non-proprietary research and development at the national laboratories in support of the agreement recipients. "Through these 50/50 cost-sharing agreements, GTRI will fund key research, development, preliminary design, and management and administrative activities, that will help accelerate commercial partners projects aimed at producing a total of 6,000 6-day curies of Mo-99 in the United States by the end of 2013," Isakowitz wrote.

With the world facing a shortage of medical isotopes thanks in part to the shutdown of a Canadian reactor that produced the majority of medical isotopes both in the U.S. and abroad, companies have been at work developing novel methods of producing Molybdenum-99, one of the most widely used medical isotopes in the world. The technologies would potentially produce Mo-99 with technologies that do not utilize proliferation-sensitive highly enriched uranium, providing an answer to a "double crisis" that has raised concerns among medical and nonproliferation experts. Mo-99, and its decay product, technetium-99m, is used in approximately 16 million procedures annually in the United States.

No Site Yet for B&W Facility

B&W and its partner, Covidien, received \$9 million from the NNSA to aid in the development of its liquid phase nuclear technology, which uses small and accessible nuclear reactors to produce Mo-99, while GE-Hitachi received \$2.25 million for its plans to use its existing commercial reactors to produce the isotope. To address the potential long-term impact of the shutdown and phase out

production from HEU, the NNSA has said it is working on four independent technologies. In addition to B&W's LEU solution-reactor technology and GE-Hitachi's neutron-capture technology, there are efforts to develop production methods from accelerator-based technology and LEU fission-target technology.

B&W set out an aggressive licensing schedule in a February meeting with the Nuclear Regulatory Commission with the goal of meeting NNSA's 2013 operational time-frame (*RW Monitor*, Vol. 3 No. 5). However, the company has still not announced a final site for the proposed facility. B&W told the NRC in February that it planned to have a site and submit an environmental report by June. "While the environmental report is nearing completion, we haven't set the submission date yet," B&W spokesman Jud Simmons said last week. "The site selection process is continuing, but we don't have any announcements to make yet." However, the early delay could be negligible in the long-term. NRC spokesman David McIntyre said "nothing up to now should affect the review schedule."

—Todd Jacobson and Sarah Anderson

CONGRESS RAMPS UP RHETORIC ON RESTORING YUCCA MOUNTAIN

Despite the Department of Energy's best attempts to terminate the Yucca Mountain repository once and for all, the flurry of action on Capitol Hill to restore the waste program continued last week. Rep. James Sensenbrenner (R-Wisc.) introduced a resolution of inquiry in the House June 22 that would require the Department to furnish documentation on its decision to terminate the repository project. The next day, Sen. Jim Inhofe (R-Okla.) fired off a letter to Nuclear Regulatory Commission Chairman Gregory Jaczko requesting that licensing work for the repository not stop until there is a final NRC decision on the withdrawal of the license application. Interveners in a court case opposing DOE's decision, meanwhile, filed their 91-page brief on the matter with the U.S. District Court of Appeals for the District of Columbia.

Inhofe Targets Nevada Bid to Stop Licensing

Inhofe's June 23 letter came in response to an attempt from the state of Nevada last week to curtail continued work on the safety documents related to the repository. Although the Department of Energy has asked to withdraw the license application for Yucca Mountain, the licensing board is still reviewing that request and will rule on it by the end of the month. An appeal would go to the Commission itself, and the decision could be further appealed to the D.C. Circuit Court of Appeals. Nevada asked the

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Larry Camper, *Director, Division of Waste Management & Environmental Protection, U.S. NRC*

Christine Gelles, *Director, Disposal Operations, DOE-EM*

Gerard Bruno, *Waste Safety Section, IAEA*

Rod Baltzer, *President, Waste Control Specialists*

Val Christensen, *President, EnergySolutions*

Graham Johnson, *Supervisory Scientist, Duke Energy*

Mark Carver, *Manager, Fleet RadWaste, Entergy Services, Inc.*

Sharron DaCosta-Chisley, *National Program Manager,
U.S. Army Corps of Engineers*

Frank Di Sanza, *Director, Waste Management Division, DOE-NTS*

Ralph Andersen, *Senior Director, Radiation Safety and
Environmental Protection, Nuclear Energy Institute*

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Event

— THE FOURTH ANNUAL RADWASTE SUMMIT —

AGENDA (*Advance*)

Tuesday, September 7

3:00 **REGISTRATION OPENS
SUMMIT SUPPORT
MATERIALS**

Partners:

6:00 **COCKTAIL RECEPTION**

7:00 **OPENING DINNER**

Tonight Recognizing...

Rod Baltzer, President
Waste Control Specialists

Martin Letourneau, Office of
Compliance, DOE-EM

10:00 **COFFEE BREAK**

10:20 **The Changing Paradigm for
RadWaste Disposition (Part II)**

.. State Regulators' Perspectives

Ruth McBurney, Exec. Director
Conference of Radiation Control
Program Directors

2:20 **Implementing a Performance-Based
Approach—Blending, DU Disposal
and Other Considerations**

Roger Seitz, Advisory Scientist,
Savannah River National Laboratory

Larry Camper, Director, Division
of Waste Management &
Environmental Protection, U.S. NRC

Wednesday, September 8

Today Recognizing...

7:00 **CONTINENTAL BREAKFAST**

8:00 **WELCOME/INTRODUCTORY
REMARKS**

Edward L. Helminski, President
EM Publications & Forums
Summit Chair

Martin Schneider, Vice President
EM Publications & Forums
Technical Program Chair

8:05 **OPENING PLENARY**

Key Federal Executive TBD

OPEN DISCUSSION

8:30 **The Changing Paradigm for
RadWaste Disposition (Part I)**

... The Generators Perspective

Frank Marcinowski, Dep. Assist.
Secretary, Regulatory Compliance,
Environmental Mgmt. Program
U.S. Dept. Of Energy

Ralph Andersen, Senior Director,
Radiation Safety and
Environmental Protection, Nuclear
Energy Institute

OPEN DISCUSSION

9:20 *... The Disposal Operators
Perspective*

Val Christensen, President
EnergySolutions

OPEN DISCUSSION

10:40 **What Waste Stream Challenges
Remain?**

... The DOE Cleanup Program

Christine Gelles, Director
Disposal Operations, U.S. DOE

... Greater-Than-Class-C Waste

Arnold Edelman
Office of Disposal Operations,
U.S. DOE-EM

OPEN DISCUSSION

11:20 **Utilities Respond to the Changing
Paradigm for RadWaste
Management**

Mark Carver, Manager
Fleet Radwaste,
Entergy Services, Inc

Graham Johnson, Supervising Scientist
Duke Energy

Lisa Edwards, Electric Power
Research Institute

OPEN DISCUSSION

12:30 **LUNCH**

1:30 **U.S. Nuclear Regulatory
Commission Low-Level Waste
Regulatory Initiatives**

Larry Camper, Director, Division
of Waste Management &
Environmental Protection, U.S. NRC

... At DOE

Bill Dornisfe, Vice President, Waste
Control Specialists

John Tauxe, Neptune and Company

*Speakers from Disposal Site
Operators*

3:30 **COFFEE BREAK**

3:45 **Landfill Technology: Are Caps and
Liners Performing as Predicted?**

Dr. Craig Benson, University of
Wisconsin

David Esh, Sr. Systems
Performance Analyst, Nuclear
Regulatory Commission

Christine Gelles, Director
Disposal Operations, U.S. DOE

OPEN DISCUSSION

4:45 **A Low-Level Waste Forum Session:
Importance of the Policy Act to
Waste Management Activities and
Other Emerging LLRW Issues**

MODERATOR: **Marcia Marr**,
Executive Director, Central Midwest
Compact

Mike Mobley, Chairman, Southeast
Compact

Mike Garner, Executive Director,
Northwest Compact

Max Batavia, Executive Director,
Atlantic Compact

OPEN DISCUSSION

— The Changing RadWaste Management Market... —

6:00 ADJOURN

6:00 COCKTAIL RECEPTION

Thursday, September 9

Today Recognizing...

7:00 CONTINENTAL BREAKFAST

8:00 **Optimization of Radioactive Waste Management: International Experience**

Gerard Bruno, Waste Safety Section, IAEA

9:15 **The Future of the Texas Compact Facility: A National Option?**

Michael Ford, Chairman, Texas Compact Commission

OPEN DISCUSSION

9:35 **Looming Policy Issues for Off-Site Disposal of Federal Waste**

Christine Gelles, Director Disposal Operations, U.S. DOE

Additional Speakers TBD

10:35 COFFEE BREAK

10:50 **Role of Disposal in Implementing DOE's Long-Term Strategic Plan for the Cleanup Program**

Jay Rhoderick, Director Office of Strategic Planning and Analysis, U.S. DOE-EM

11:10 **The Future of Disposal at the Nevada Test Site—Working Toward a New Mixed Waste Cell**

E. Frank Di Sanza, Federal Project Director, Waste Management Project, Nevada Site Office, DOE

John Wrapp, Program Manager, NSTec

... Update on Construction of New Mixed Waste Cell

Doug Mauntel, Director of Engineering Services, Andrews Engineering

... The NTS Site-Wide EIS

Scott Wade, Assistant Manager for Environmental Management, Nevada Site Office, DOE

... State Perspective

Tim Murphy, Chief, Federal Facilities Bureau, Nevada Div. of Env. Protection

OPEN DISCUSSION

12:30 LUNCH

1:30 **U.S. Army Corps of Engineers—Progress at FUSRAP Sites**

Sharron DaCosta-Chisley, National FUSRAP Program Manager, U.S. Army Corps of Engineers

Jim Moore, U.S. Army Corps of Engineers

Tim Beauchemin, U.S. Army Corps of Engineers

Bill Kowalewski, U.S. Army Corps of Engineers

Michelle Barker, U.S. Army Corps of Engineers

Mike Hart, U.S. Army Corps of Engineers

OPEN DISCUSSION

2:30 **Addressing Waste Challenges At USACE**

... Evaluation and Implementation of a Soil Blending Application

Hans Honerlah, U.S. Army Corps of Engineers

... Unique working relationships with industry: Lessons Learned

Nicki Fatherly, U.S. Army Corps of Engineers

... Aberdeen Pulse Reactor Facility D&D

Hans Honerlah, U.S. Army Corps of Engineers

... NFSS Bldg 401 Demolition Status

John Busse, U.S. Army Corps of Engineers

OPEN DISCUSSION

3:45 COFFEE BREAK

4:00 **The DOE Consolidated Audit Program—Perspectives on Recent Findings**

Richard Martin, Oak Ridge Operations Office, U.S. DOE

OPEN DISCUSSION

4:30 **Waste Disposition in the Aftermath of a IND/RDD Recovery Action**

Jonathan Kang, Office of Disposal Operations, U.S. DOE-EM

U.S. EPA speaker

State Regulator Speaker TBD

5:30 ADJOURN

6:00 COCKTAIL RECEPTION

Friday, September 10

7:00 CONTINENTAL BREAKFAST

8:00 **Waste Disposition Challenges at DOE Sites (Part I)**

... At Oak Ridge

John Eschenberg, Assistant Manager for Environmental Management, DOE Oak Ridge Operations Office

... At Portsmouth

Speaker TBD

... At Hanford

Matt McCormick, Assistant Manager for the Central Plateau, DOE Richland Operations Office

— THE FOURTH ANNUAL RADWASTE SUMMIT —

Ty Blackford, Vice President for
Waste and Fuels Management, CH
Plateau Remediation Co.

Mark Arenaz, Waste
Disposition, DOE Idaho
Operations Office

Speaker TBD

... *Respondent*

OPEN DISCUSSION

10:15 COFFEE BREAK

Doug Tonkay, Office of Disposal
Operations, U.S. DOE-EM

9:15 **Waste Disposition Challenges at
DOE Sites (Part II)**

10:35 **Boom or Bust in 2011? Perspectives
on Treatment/Disposal Capacity as
ARRA Deadline Looms**

11:30 **The Investment Outlook for the
RadWaste Marketplace**

John Gilmour, Director Solid
Waste Management, Savannah
River Nuclear Solutions

Renee Echols, Senior Vice
President PermaFix

Speakers TBD

12:30 **ADJOURN**

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ACCOMMODATIONS

Rates to attend this Summit at JW Marriott, Las Vegas (Summerlin), which is near the DOE office are **\$159.00 for single and double occupancy. Government rates are available at \$109.00** for single and double occupancy. These rates do not include a daily hotel services fee, along with applicable city and state taxes (which are currently 12%). **If you are a government employee, you must have a government identification card.**

To guarantee a reservation at conference rates, call JW Marriott, Las Vegas (Summerlin) at 1-800-297-5056 by **August 21**. Identify yourself as a *RadWaste Summit Attendee*. If space is available, the above rates will apply for attendees two days prior and two days after our program dates. **We recommend getting your reservations EARLY to secure a guest room.**

JW MARRIOTT LAS VEGAS (*SUMMERLIN*)

The JW Marriott Las Vegas is an elegant hotel in Summerlin, Nevada just outside of downtown Las Vegas. The hotel is set against the crimson canyons and rugged cliffs of Red Rock and is home to premiere conference facilities that feature a full service business center that provides uncompromising levels of service and amenities. After a busy day of meetings one can just relax and enjoy the natural beauty, play a round of golf or visit the nearby Red Rock Canyon which provides breathtaking hikes, mountain climbing or biking opportunities.

Registration opens at 3:00 p.m. Tuesday, Sept. 7 followed by a Reception and Dinner at 6:00 p.m. The opening Plenary is at 8:00 a.m., Wednesday, Sept. 8. The Summit ends at noon, Friday, Sept. 10.

THE FOURTH ANNUAL RADWASTE SUMMIT

(WEBSITE: www.radwastesummit.com)

GROUND TRANSPORTATION

No regular shuttle service is available from any of the Airports.

From McCarran International Airport: Take Interstate 15 North to Expressway 95 North (Reno). Take Summerlin Parkway exit West. Take Rampart exit and make a left onto Rampart Boulevard. Take a right turn into the resort.

The hotel does offer a return trip to the airport for \$25.00

Estimated taxi fare: 50.00 (one way).

THE FOURTH ANNUAL RADWASTE SUMMIT

September 7 - 10, 2010

JW Marriott Las Vegas (Summerlin)
Las Vegas, Nevada

Registration Fees:

Federal Employees (non-speakers):	CIRCLE ONE \$525.00
State & Local Government Officials, NGO Representatives:	\$525.00
General Admission (<i>prior to Aug. 14</i>)	\$995.00
[includes Federal Contractors]	

(Add \$200 to Gen. Adm. Fee after Aug. 14; Discounted Fees for Multiple Registrations available)

(Registration includes: three continental breakfasts, two lunches, three receptions, two dinners, a copy of the Resource Book and conference proceedings.) Call 1-877-303-7367 ext. 109 for more information.

Cancellation Policy: There is a \$200.00 service charge on cancellations after **August 24, 2010**. No refunds will be made after **August 31, 2010** but substitutions are welcome.

REGISTER ONLINE AT: www.radwastesummit.com

LLRW Volume Disposal Update May 2010

LLRW ACCEPTED FOR DISPOSAL AT BARNWELL AND HANFORD May 2010 (Volumes in Cubic Feet)

	Util.	Govt	Univ.	Hosp.	Ind.	May	Year-to-Date
<u>Atlantic (AT)</u>							
Connecticut	0	0	0	0	0	0	241
New Jersey	179	0	0	0	0	179	28,015
South Carolina	0	0	0	0	0	0	1,420
	-----	-----	-----	-----	-----	-----	-----
	179	0	0	0	0	179	29,676
<u>Appalachian (AP)</u>							
Pennsylvania	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Southeast (SE)</u>							
Georgia	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
Alabama	0	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Central State (CS)</u>							
Arkansas	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Midwest (MW)</u>							
Wisconsin	0	0	0	0	0	0	0
Indiana	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0
Ohio	0	0	0	0	0	0	0
Minnesota	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Central Midwest (CM)</u>							
Illinois	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0

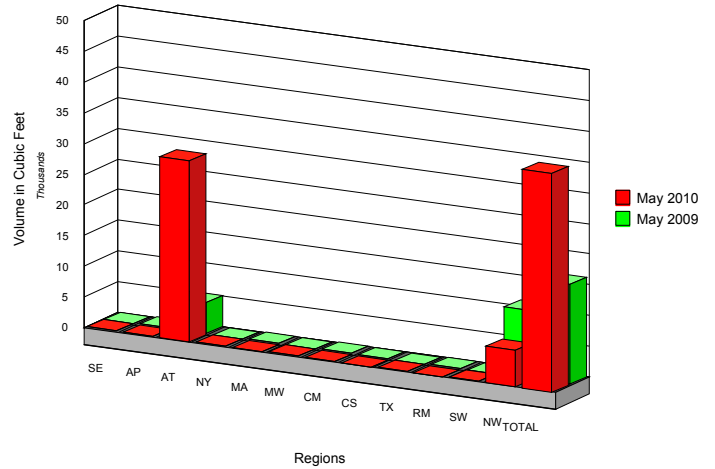
	Util.	Govt	Univ.	Hosp.	Ind.	May	Year-to-Date
<u>Rocky Mountain (RM)</u>							
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Southwest (SW)</u>							
Arizona	0	0	0	0	0	0	0
California	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Northwest (NW)</u>							
Idaho	0	0	0	0	0	0	0
Washington	435	0	0	0	0	435	4,446
Oregon	0	0	0	0	0	0	1,357
Utah	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Hawaii	0	51	0	0	0	51	184
Montana	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	435	51	0	0	0	486	5,986
<u>Surf and Turf (ST)</u>							
Maine	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
<u>Unaligned</u>							
Rhode Island	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0
New York	0	0	0	0	0	0	0
Massachusetts	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0
Michigan	0	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----	-----
	0	0	0	0	0	0	0
Overseas	0	0	0	0	0	0	0
TOTAL	614	51	0	0	0	666	35,662

Note: All figures are rounded to the nearest integer.

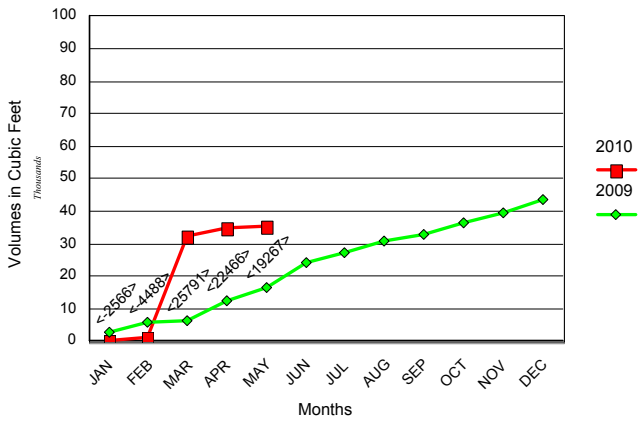
**COMPARISON OF WASTE VOLUMES IN CUBIC FT
YEAR-TO-DATE BY COMPACT, STATE**

Region/ State	05/2010	05/2009	'10-'09 DIFFERENCE	<'10-'09>/'09 % change
SE	0	0	0	0%
AP	0	0	0	0%
AT	29,676	5,119	24,557	480%
NY	0	0	0	0%
MA	0	0	0	0%
MW	0	0	0	0%
CM	0	0	0	0%
CS	0	0	0	0%
TX	0	0	0	0%
RM	0	150	(150)	(100)%
SW	0	0	0	0%
NW	5,986	11,126	(5,140)	(46)%
TOTAL US	35,662	16,395	19,267	118%

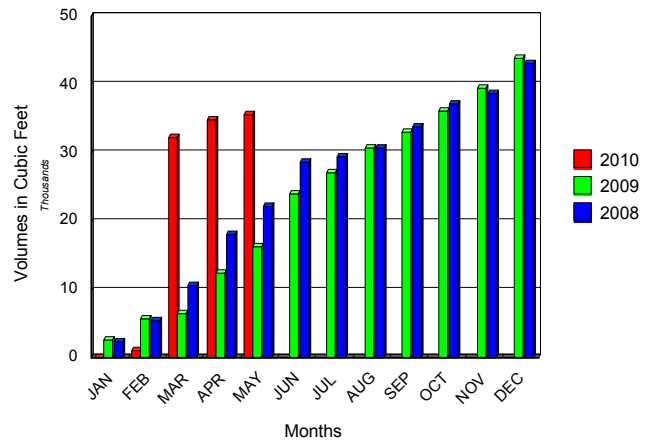
**Cumulative Volume Totals
May 2009 vs May 2010**



**Volume of Waste
Cumulative Monthly Totals**



**Volume of Waste
Cumulative Monthly Totals**



Calendar

- June**
- 29-30 **Workshop: Department of Energy Small Modular Reactors Workshop; Mandarin Oriental Hotel, Washington D.C.; Information: <http://www.ne.doe.gov/smrworkshop/index.html>**
- 29-1 **Forum: Nuclear Regulatory Commission's annual Fuel Cycle Information Exchange (FCIX); NRC Headquarters, Rockville, Md.; Information: <http://www.nrc.gov>**
- July**
- 5 EM PUBS CLOSED FOR INDEPENDENCE DAY
- 6-7 **Conference: Third Annual Engineering Nuclear New Build 2010: Keeping Track of Policy, Plans and Timelines; The ICC Birmingham, United Kingdom; Information: www.newnuclear.co.uk.**
- 7 **Meeting: Blue Ribbon Commission on America's Nuclear Future; Subcommittee on Waste Disposal; Washington, D.C.; Details TBA; Information: <http://brc.gov/>**
- 11-15 **Meeting: Fifty-First Annual Institute of Nuclear Materials Management Meeting; Baltimore Marriott Waterfront Hotel, Baltimore, Md.; Information: www.inmm.org/meetings.**
- 12-13 **Meeting: Blue Ribbon Commission on America's Nuclear Future; Subcommittee on Reactor and Fuel Cycle Technologies; Idaho Falls, Idaho; Details TBA; Info: <http://brc.gov/>**
- 13 Meeting: Idaho Citizens Advisory Board.
- 14 Meeting: Community Advisory Board for Nevada Test Site Programs; Frank H. Rogers Building, 755 E. Flamingo Rd., Las Vegas, Nev., 89119.
- 14-15 **Meeting: Blue Ribbon Commission on America's Nuclear Future; Richland, Wash.; Details TBA; Info: <http://www.brc.gov>**
- 15 Meeting: Paducah Citizens Advisory Board.
- 27 **Forum: Nuclear Energy Institute Nuclear Fuel Supply Forum; The Willard Intercontinental Hotel, Washington, D.C.; Info: <http://www.nei.org>**
- 29 **Workshop: Department of Energy Office of New Reactors Nuclear Energy Enabling Technologies Workshop; Rockville, MD., Information: <http://nuclear.energy.gov/neet.html>**
- August**
- 3-5 **Meeting: The Nuclear Regulatory Commission's Workshop on Engineered Barrier Performance Related to Low-Level Radioactive Waste, Decommissioning and Uranium Mill Tailings Facilities; NRC headquarters, Rockville, Md.; Information: www.nrc.gov.**
- 8-11 **Conference: 2010 Utility Working Conference and Vendor Technology Expo; Amelia Island Plantation, Jacksonville, Fla.; Sponsor: American Nuclear Society; Contact: Dave Slaninka, 708-579-8255 or dslaninka@ans.org; Information: www.ans.org.**
- 23-26 **Meeting: Organization of Agreement States Annual meeting; Doubletree Hotel, Portland, Ore.; Information: www.agreementstates.org**
- 29-31 **Meeting: 2010 Environmental Council of the States Annual Meeting; Mountain View Grand Resort, Whitefield, N.H. Info: <http://www.ecos.org/section/events/?id=3649&PHPSESSID=881d082d0aea6309959627b20d9b8fa6>**
- September**
- 1 Meeting: Community Advisory Board for Nevada Test Site Programs; Frank H. Rogers Building, 755 E. Flamingo Rd., Las Vegas, Nev., 89119.
- 6 EM PUBS CLOSED FOR LABOR DAY
-
- 7-10
- THE FOURTH ANNUAL RADWASTE SUMMIT**
- Moving Toward a Risk-based Regulatory Framework...
Expanding Commercial Opportunities for RadWaste Services**
- JW Marriott Las Vegas Resort & Spa
Summerlin, Nevada
- Featuring(as of 4/9/2010):*
- **Frank Marcinowski**, *Dep. Assist. Sec. for Technical & Regulatory Support, DOE-EM*
 - **Larry Camper**, *Dir., Div. of Waste Mgmt. & Environmental Protection, U.S. NRC*
 - **Christine Gelles**, *Director, Disposal Operations, DOE-EM*
 - **Frank Di Sanza**, *Director, Waste Mgmt. Division, DOE-NTS*
 - **Sharron DaCosta-Chisley**, *National Program Manager, U.S. Army Corps of Engineers*
 - **Ralph Andersen**, *Dir., Radiation Safety & Low Level Waste, Nuclear Energy Institute*
 - **Rod Baltzer**, *President, Waste Control Specialists*
 - **Val Christensen**, *President, EnergySolutions*
 - **Miguel Azar**, *Manager, Radioactive Waste, Exelon Nuclear*
 - **Mark Carver**, *Mgr., Fleet RadWaste, Entergy Services, Inc.*
- Bookmark www.radwastesummit.com
for Updates on the Program**
- For Information Call 1-877-303-7367 ext. 109 or
email: forums@exchangemonitor.com**
-
- 8-11 **Conference & Expo: 2010 Utility Working Conference and Vendor Technology Expo; Amelia Island Plantation, Jacksonville, Fla.; Sponsor: American Nuclear Society; Information: <http://www.ans.org>.**
- (Changes from previous Calendar in Bold)*