

FFTF, PFP partner on deactivation work

Michele Gerber, *Fluor Hanford*
Karin Nickola, *Fluor Hanford*

Fluor Hanford has sent the first cask of “unspent” fuel from the Fast Flux Test Facility to Hanford’s Plutonium Finishing Plant. Consolidating these casks of fuel at PFP is both a security matter and a cost-saving measure.

Work associated with transporting casks to PFP is challenging to orchestrate because of the coordination required between the two facilities, as well as the security surrounding transportation. Plans call for transporting seven more casks of fuel from FFTF to PFP by January 2004.

Coordination the key

Efforts to move casks of fuel from FFTF to PFP began last winter when the two facilities formed the “FFTF Offload Project.” PFP project team members include special assets director Tom Halverson and project manager Jim W. Kelly. FFTF project team members include program manager Pat Schweiger, asset management team lead Wiley Witherspoon and project engineer Dan Arrigoni.

“Close internal coordination, as well as coordination with our Department of Energy customer and subcontractors, have been critical in our efforts to safely complete multiple fuel shipments,” said Fluor Hanford’s Jim W. Kelly. “I’d like to thank the procedures organization and plant forces, including riggers and teamsters, and many others in both the PFP and FFTF organizations, as well as Jim Spets of DOE.”

Additionally, many of PFP’s safety-basis documents were updated, along with receiving and surveillance documents. And infrastructure improvements, including the construction of a storage pad, were made. Kelly thanked the employees on the project for adding these tasks to their already full workloads.

“We’re off to a good start and fully anticipate meeting our January deadline,” said Fluor Hanford’s Wiley Witherspoon. “We’re moving at a good pace, while working safely. We also remain in close contact with Protection Technology Hanford, Hanford’s security contractor, to ensure everything is done within security guidelines.”



A cask is loaded into the Cask Loading Station at the Fast Flux Test Facility Service Building in preparation for receiving unspent fuel.



The Plutonium Finishing Plant receives the first of eight interim storage casks from FFTF.

FFTF, PFP partner on deactivation work, cont.

Fuel movement

Fluor Hanford's contract with the Department of Energy calls for the FFTF team to off-load, wash, dry and place a total of 81 fuel assemblies into interim storage by January 22, 2004. Of these fuel assemblies, approximately one-third are highly irradiated or "spent" fuel.

Eighteen casks of spent fuel were moved out of FFTF and onto the facility's interim storage pad in the 1990s. Since the fuel off-load process resumed in April, Fluor Hanford crews have moved four more casks — containing seven spent fuel assemblies each — out of the reactor and onto the same pad. These casks will eventually be transported from FFTF to Hanford's Canister Storage Building in the 200 East Area — then sent to a National Geologic Repository along with Hanford's vitrified high-level waste.

The casks being transported to PFP contain unspent fuel assemblies — either partially irradiated or un-irradiated "green" fuel assemblies — transferred to FFTF for storage in 1994 and 1995 when Hanford's 308 Building was closed down. These casks can only remain at the facility a short time. PFP has a mandate from DOE to ship out its inventory of special nuclear material by the end of September 2005 and dismantle its Protected Area by December 2005.

Late in 2004, fuel assemblies in three of the eight casks at PFP will be shipped to Hanford's Canister Storage Building for interim storage. Plans call for loading fuel assemblies in the other five casks at PFP into appropriate containers to be shipped to DOE's Savannah River Site. ■

Hanford announces annual patriotic essay contest for students

The Department of Energy Veterans Advisory Committee and the Hanford Safeguards and Security organizations are teaming once again with the Hanford Community Diversity Council, the local Veterans of Foreign Wars posts and the VFW ladies auxiliaries to establish a Hanford category in the VFW's Voice of Democracy and Patriot's Pen Essay contests specifically for children and other relatives of Hanford employees.

Students can win prizes (for example, Savings Bonds, gift certificates, movie passes and medals) in the Hanford category, as well as prizes in the local, district, state and national categories of the VFW contest.

The Voice of Democracy is an annual national audio essay contest for high school students, grades nine through 12. The theme is "My Commitment to America's Future." All essays must be delivered as three-to-five-minute oral presentations, recorded on good-quality cassettes. A written script of the essay is also required. Contestants may not identify themselves, their schools, their cities or states in their essays. The top prize at the national level is a \$25,000 scholarship.

In the past two years, one winner in the Hanford-sponsored Voice of Democracy contest advanced to the district competition and one winner advanced to the national competition.

The Patriot's Pen is a youth essay contest for students in the seventh and eighth grades. The theme is "My Dream for America." All entries should be typewritten in English and must be 300 to 400 words in length. Contestants may not identify themselves, their schools, their cities or states in their essays. The top prize at the national level is a \$10,000 Savings Bond and an all-expense-paid trip to Washington, D.C.

The entry forms and specific details are available on the VFW Web site at www.vfw.org under "Community Support," or you can contact Jim Spracklen or Guy Schein. The Hanford contest deadline for entries for both the Voice of Democracy and the Patriot's Pen is October 30. Mail in or drop off entries in the Federal Building to Spracklen in room 703 (A7-50) or Schein in room 760 (A7-75).

All students in seventh through 12th grades are urged to participate in this contest. The competition offers an opportunity for students to demonstrate leadership, citizenship and patriotism. ■

In memory of George W. Dana, Jr.

Karin Nickola, *Fluor Hanford*

As I write this memorial for George Dana, my mind is flooded with images and emotions. As easily as I see *the man* battling cancer, I see *the boy* who grew up across the street — playing the song “Tequila” on a saxophone at the age of 11, probably dreaming he and his childhood band were only a few short years away from musical fame and fortune.



And I wonder how I can ever adequately pay tribute to this wonderful friend who remained an integral part of my life for over 40 years — a man who not only made my life better just for knowing him, but who touched the lives of so many others.

Of one thing I am certain. At Hanford, George Dana will be remembered as much for the love and light he brought into our lives as he will be for his professional contributions to the site.

Born in Fond du lac, Wis., George Dana and his family moved to Richland from Portland, Ore., in 1963, when his father went to work for the Atomic Energy Commission, predecessor agency to the Department of Energy. George and his family were close, and he was excited when, as a teen, he landed a part-time Hanford job transporting payroll checks. Besides the wages — which were much better than what he received delivering flowers for Stanfield’s Floral or shining his flashlight on parked cars at the drive-in movie theater — the job afforded him the opportunity to occasionally share a working lunch with his dad.

After graduating from Columbia (Richland) High School in 1970, George enlisted in the Navy and spent several years aboard a nuclear submarine before returning home to attend college. His first “real” Hanford job was the position of planner/scheduler for United Engineers and Constructors. From December 1976 to November 1980, George directed the daily operations and maintenance of the computerized scheduling system at Washington Public Power Supply System’s WNP 1 and 4 reactors.

After working as a schedule engineer with J. A. Jones Construction and Kaiser Engineers Hanford in the 1980s and 1990s, in 1996 George accepted a position as senior contract administrator with what is now Fluor Federal Services, where he negotiated with contractors and administered unit and fixed-price contracts. George was proud to be a part of the FFS/Fluor Alaska team that successfully subcontracted the construction of facilities for the Ballistic Missile Defense System Test Bed project near Fort Greely, Alaska. He remained with Fluor Federal Services until health issues forced him to leave.

Always a professional with the highest of work ethics, George never ceased to recognize the relationship between worker morale and productivity. On the surface, “Doo Wop Central”— a joint venture with co-worker Bob Allen — was just a time to gather and listen to ’50s and ’60s music over a brown-bag lunch. “In reality, listening to the music gave our minds a respite from increasing demands brought about by accelerated cleanup,” said Allen. “And the short time we spent together really brought us together as a group. It was so positive. We became a stronger, more enthusiastic team. Suddenly, we seemed to care more about each other and the work we needed to accomplish.”

George was truly warmed by the outpouring of love he experienced during his final days. One personal donation effort led by a Fluor Hanford employee raised nearly \$8,000 to help George and his family with miscellaneous medical costs. Another effort funded by bake sales, soda sales, and chicken and spaghetti feeds, saw co-workers working with the City of Richland to secure a bench to be placed along the Columbia River walking and bike path near George’s childhood home. Other memorial events, including a ’50s and ’60s dance, are in the planning stages.

George Dana passed away on Saturday, Sept. 6. ■

HEHF prepares for October flu-shot clinics

Fall is just around the corner, and the flu season is not far behind. With an eye on the seasons, the Hanford Environmental Health Foundation is gearing up to deliver flu shots to Hanford employees at 15 work-site clinics. Judi Staley, a registered nurse with HEHF's Health Education Services, describes the influenza immunization program during an interview with the *Hanford Reach*.

Hanford Reach: How long has HEHF been providing flu shots at Hanford?

Staley: HEHF has provided flu shots to Hanford workers since 1993. Because of this program, thousands of people have been protected from major strains of influenza, a serious respiratory illness that can lead to fatal complications. You know, people are much more likely to be vaccinated if they can get their flu shot at a convenient time and place. What could be more convenient than getting your flu shot at or near your work location?

Hanford Reach: HEHF gave almost 6,000 flu shots last year. How far ahead of the flu season does HEHF need to plan for the flu-shot clinics?

Staley: Planning for the HEHF's flu-shot program takes months — the vaccine is ordered in January, and the clinic schedules are decided in April. Flu clinics usually begin in October. Stickers, buttons and posters are created with a new theme each year. This year the theme is "Don't Let the Flu Get You — Vaccinate." Past buttons are considered Hanford collectibles.

Hanford Reach: Sounds like this is a popular program. Is there much of a wait to get a shot?

Staley: Over the years, HEHF has implemented improvements to the program in order to shorten waiting time. The process needs to be efficient to accommodate the number of participants we have. The flu-shot team — dubbed "the Flu-zies" — arrives 30 to 45 minutes before the clinic begins. They set up the nurses' stations and prepare the area with informational and directional signs. The administrative staff greets the employees and completes the paperwork.

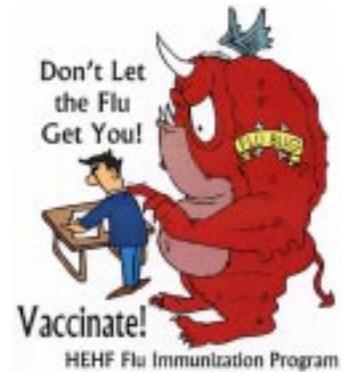
Hanford Reach: How do you handle people who really hate immunizations?.

Staley: The nursing staff and the assistants at our clinics strive to alleviate any fears or uncertainties any employees may feel. Some people have a "needle phobia," but still know how important it is to protect themselves from the flu. The staff takes whatever time is necessary to answer questions and provide support.

Hanford Reach: Any adverse reactions to the shots?

Staley: Reactions to the shot are very rare. Out of the thousands of shots given, I can remember only one person who felt slightly dizzy afterwards. Several years ago, one person fainted, but he was waiting in line and fainted before he got his shot.

Continued on page 6.



Check the schedule on page 7 for the flu clinic closest to your work area. You can also call the HEHF Flu Hotline at 376-1000 for information and daily updates.

HEHF prepares for October flu-shot clinics, cont.

Hanford Reach: Any changes from 2002?

Staley: Last year HEHF vaccinated 5,910 Hanford employees — more than 1,100 participated in the clinic held at the Battelle Auditorium. Several *per diem* nurses from the community were hired to administer the injections and very little paperwork was required of the participants. This year should go well also, even though a few changes will occur. Participants will be asked to initial that they were offered a privacy practices notice. The nursing staff will be using new syringes that are not pre-filled with the vaccine. We expect any additional waiting time to be minimal.

Hanford Reach: Are there times when the lines may be shorter?

Staley: Typically the first week is very busy. Often by the third week, the lines are very short with little or no waiting. It's impossible to meet the needs of all the workers, but we have had several requests for early clinics so the night-shift workers can take advantage of this opportunity. To answer this need, the 100K, 100N and 200 West (MO-250) Areas will have clinics that start at 6 or 6:30 a.m. One late-afternoon clinic is also scheduled in the 200 West Area. Hanford employees who cannot come to a clinic in their own work area are welcome to attend any clinic that is convenient for them.

Hanford Reach: Any restrictions on who is eligible for the flu shots?

Staley: Employees wishing to get a flu shot must have a Department of Energy security badge, and HEHF *does not* provide flu shots for employees who:

- are under the age of 18
- are pregnant
- have symptoms of any acute illness (cold or flu)
- are employees of Bechtel, Inc., or Battelle Columbus.

Flu shots will not be available at the HEHF Health Care Centers except to those needing vaccinations for business travel.

Hanford Reach: This year's flu clinics seem to be starting early.

Staley: Yes, this year the clinics begin Oct. 13, and continue through Oct. 30. The earlier dates will accommodate individuals who fall into the "at risk" category for getting influenza and those who may have occasion to pass the virus on to someone in the high-risk category. The Centers for Disease Control identifies the following at-risk individuals:

- People 50 years or older
- Residents of long-term care facilities
- People with long-term health problems
- People with weakened immune systems
- People six months to 18 years of age who are on long-term aspirin treatment
- Pregnant women who are past the third month of pregnancy during flu season
- Physicians, nurses, family members or anyone coming in close contact with people at risk of serious influenza. ■

Continued on page 7.

2003 Flu Immunization Schedule

Area	Clinic Date	Time	Location
Battelle	Monday, Oct. 13	9 a.m.-3 p.m.	Battelle Auditorium
Battelle	Tuesday, Oct. 28	9 a.m.-noon	Battelle Auditorium
200E Area	Tuesday, Oct. 14	9 a.m.-2 p.m.	2101-M, Cosmos/Bijou Room
200E Area	Thursday, Oct. 30	10 a.m.-1 p.m.	2101-M, Cosmos/Bijou Room
Federal Building	Wednesday, Oct. 15	9 a.m.-2 p.m.	825 Jadwin, room 142
Federal Building	Wednesday, Oct. 29	9 -11 a.m.	825 Jadwin, room 142
100K Area	Thursday, Oct. 16	6 a.m.-noon	MO-500, Conference Room West
200 West Area	Monday, Oct. 20	6:30 -9 a.m.	MO-250
200 West Area	Wednesday, Oct. 22	9 a.m.-2 p.m.	MO-287,Conference Room A111
200 West Area	Wednesday, Oct. 29	1-5 p.m.	HEHF Health Care Center, 2719
300 Area	Monday,Oct. 20	11 a.m.-3 p.m.	3763, Conference Room
100N	Tuesday, Oct. 21	6:30 -9 a.m.	1103N Conference Room A & B
Bechtel	Tuesday, Oct. 21	11:30 a.m.- 2:30 p.m.	3350 George Washington Way, Assembly Room
2440 Stevens Center	Thursday, Oct. 23	9 a.m.-2 p.m.	Conference Room 1200
400 Area	Monday, Oct. 27	10 a.m.-1 p.m.	4710-A, conference room (Only employees working in this secured area may participate)

Hispanic students conclude DOE summer internships

Since 1990, the Department of Energy Office of Environmental Management has provided more than \$1.9 million in scholarships to academically accomplished Hispanic students studying disciplines related to EM's mission. EM and other DOE organizations are supporting the program, and DOE support of Hispanic students through fiscal year 2005 is expected to total more than \$2.7 million.

Last year, Jessie Roberson, assistant secretary for Environmental Management, announced a new internship program that would build on DOE's support of Hispanic education and address the challenges of EM's Human Capital Management Program. The internships give former EM scholarship recipients "hands-on" experience working for DOE. The program was implemented this past July, and DOE-RL received four interns.

Martin Garibay has worked odd jobs since he was 13, so he had already developed a strong work ethic before he attended East Los Angeles Community College. He wanted to go to a four-year university, but "because of my parents' and my lack of resources, I had few options available," he said.

"It was not until I attended college that I realized, if I wanted to pursue my goal of a degree in mechanical engineering, I would have to work more hours to pay for the expenses that come with a higher education," Garibay said.

While in community college, Garibay worked 29 hours a week during the school year at a restoration shop for classic cars. He also wrestled for the school team and was president of the student chapter of the Society of Hispanic Professional Engineers. Last summer he interned at the Jet Propulsion Laboratory in Pasadena, and this summer he worked at DOE-RL. He's now back in school at the University of California at Irvine, working toward a bachelor's degree in mechanical engineering.

Jacob Torres grew up in a small town in Texas, and with the help of his DOE scholarship money, enrolled at Texas A&M University. He's pursuing a degree in civil engineering, specializing in structures.

Before going back to start his junior year, Torres spent this past summer interning with DOE in the Richland Operations Office. "My internship with the U.S. Department of Energy has given me tremendous exposure to management, business and political elements," Torres said.



Left to right are Jeffery Vargas of DOE Headquarters; interns Jacob Torres, Reyna Baeza, Gabriel Hernandez and Martin Garibay; and Bartley Fain of the DOE Richland Operations Office.

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Hispanic students conclude DOE summer internships, cont.

“My long-term plans are to become a practicing engineer following college. Who knows — perhaps I’ll run my own engineering firm one day.”

Gabriel Hernandez grew up in various areas in northern California, Oregon and Washington. After graduation in Sacramento, he joined the Navy and was trained to be a nuclear operator at the Nuclear Power Training Unit in Ballston Spa, N.Y. Now he’s working toward a degree in electrical engineering at the University of California at Davis.

“Once I graduate, I’ll owe the Navy four years of active-duty service as an officer, and four years of reserve service,” Hernandez explained, saying he wants to work on a nuclear submarine. “I decided to do this internship because the opportunity to meet so many business professionals and open the door for a future job with the DOE is something that I very much appreciate. Also, since there are so many prior Navy nukes working here, I figured the jobs here must be quite appealing to people coming from my background.”

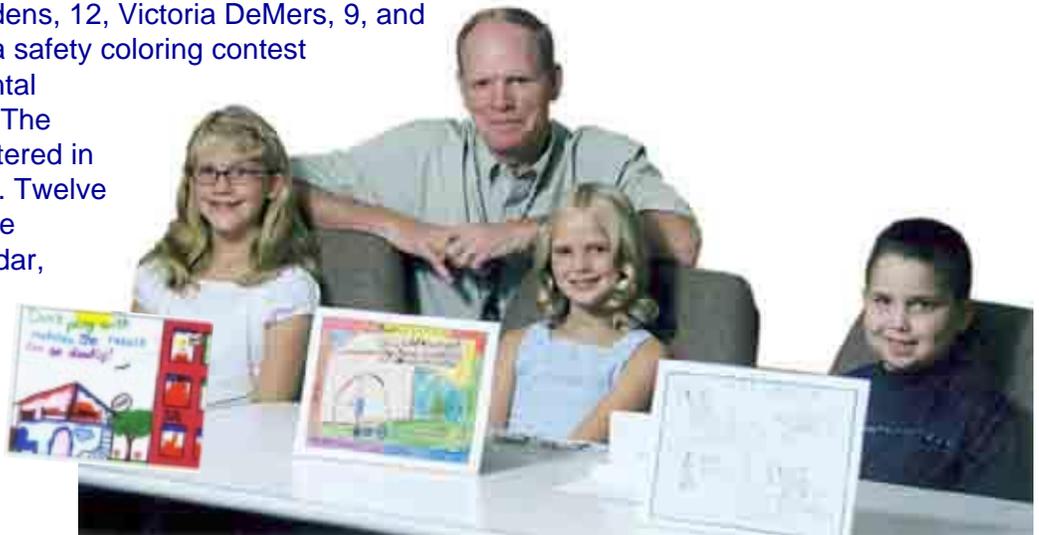
Reyna Baeza recently graduated from Rio Hondo College in Whittier, Calif., with an associate degree in environmental technology. She’s now a student at California State Polytechnic University in Pomona, pursuing a bachelor’s in landscape architecture.

“During the 2000 and 2001 academic years, I was one of the recipients of a grant from the Hispanic Scholarship Fund,” she said. “I really looked forward to coming to Washington to gain valuable knowledge and insight into the policy issues that are dealt with here at the DOE Richland Operations Office.”

After Baeza earns her bachelor’s degree she plans to attend the University of Michigan for a master’s, also in landscape architecture. “Attending college has really opened up a whole new world for me,” she said. ■

Picture Pages

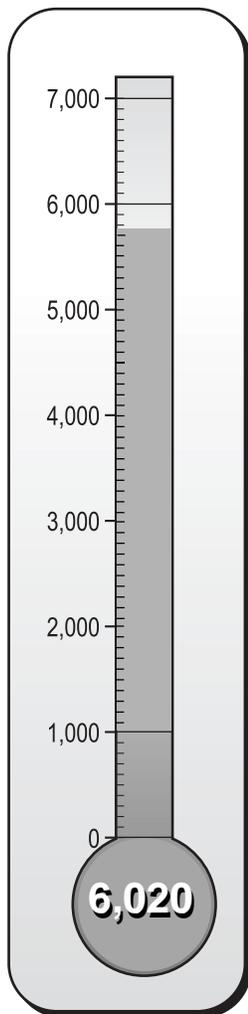
SAFETY STARTS AT HOME: Bechtel Hanford President Mike Hughes poses with Jordan Edens, 12, Victoria DeMers, 9, and Blaine Kenton, 6, winners of a safety coloring contest sponsored by the Environmental Restoration Contractor team. The children's drawings will be entered in the Bechtel corporate contest. Twelve winners will be selected for the company's 2004 safety calendar, which will feature safety messages from the children of employees and subcontractors throughout the world. Jordan is the daughter of Victor Edens of Bechtel Hanford. Victoria is the daughter of Joe DeMers, also with Bechtel Hanford. And Blaine is the son of Brenda Kenton of Eberline Services Hanford.



Hanford XP Migration Project update

XP makes it easy to protect your workstation

HLAN computers currently running Windows XP



It has always been important to make sure your computer is password-protected when you are away from your desk. With Windows 9x, the easiest way to do this was to set your screen saver to activate after a few minutes of idle time. This option is still available with Windows XP, but now there is a better way.

Windows XP allows you to lock your workstation when you leave it unattended. To do this, press CTRL-ALT-DEL, and select "Lock Computer" from the Windows Security screen. To unlock the workstation when you return, press CTRL-ALT-DEL again and type in your user name and password.

In Windows 9x, many people created shortcuts to screensaver files that they would launch when they left their workstation in order to password-protect their computer. While shortcuts to a screensaver may still be created in XP, they do not lock the workstation. There is a Lock Workstation shortcut, which can be installed from Software Distribution, under System Software, Middleware and Utilities. This will put a padlock icon on your desktop. When activated, it will set your computer in the locked mode, the equivalent of pressing CTRL-ALT-DEL and selecting "Lock Computer."

XP consultants will be in the area and available to assist users migrating to Windows XP and Office XP in 2704-HV on Sept. 16, and in 1717-K, MO-102, MO-382, MO-907 and 105K-W on Sept. 17.

Research on fungi leads to new directions

Some people view fungi as a nuisance. Many, however, see great potential in these unique organisms.

The Pacific Northwest National Laboratory's Marine Sciences Laboratory in Sequim, Wash., possesses a rich history of fungi-related research and a collection of more than 200 strains of fungal species, some of which have been developed to perform environmental remediation and other tasks.

"We continue to explore the use of fungi for remediation, such as cleaning up contaminated sites, but we also are looking at more diverse research pathways," explained senior research scientist Susan Thomas. "We have been moving toward the study of marine and aquatic fungi for applications related to marine sediment. We also are interested in learning how we might harvest natural products from marine fungi and how our work could apply to the detection of biological pathogens and other contaminants in marine systems with respect to environmental and coastal security issues."

Critical to new and existing areas of fungal research is MSL's extensive library of fungal species and scientists' experience with a variety of applications. Recently, for example, Thomas and colleague Meg Pinza, also a senior research scientist, completed a study on using fungi to degrade livestock manure and temper the waste-related odors commonly associated with dairy farms and feedlots. The work was prompted by colleagues at Battelle and PNNL, who have been perfecting a Battelle-developed technology for cleaning manure treatment ponds ("New PNNL-developed technology treats dairy wastes, odors," *Hanford Reach*, Sept. 10, 2001).

Thomas and Pinza were tasked with finding a way to address the troublesome "cap" of manure, straw, sawdust and other materials that tends to form on treatment ponds and clog the cleaning technology. Researchers combined several fungal strains, which were applied via liquid mist to cap material obtained from a farm in northwestern Washington state. The treatment broke down the cap's components to reduce volume, remove excess nutrients such as nitrogen and phosphorus, and at the same time destroy fecal coliform bacteria and reduce odors.

"This treatment process is natural, does not harm the environment and uses fungal strains that are native to the area, which is important. We would not introduce non-native fungi," Thomas emphasized.



Scientist Susan Thomas (left) and colleagues at the Marine Sciences Laboratory are enthusiastic about fungi and its potential to supply innovative solutions to agriculture and many other fields.

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Research on fungi leads to new directions, cont.

“In addition to degrading the manure, we were asked if the fungi could produce a beneficial byproduct — mushrooms — that could be used as livestock feed. We selected a couple of strains that yield clean, nutritious fruiting bodies and this is looking like a possibility,” Thomas said.

Thomas and Pinza said farmers are looking to innovative technologies to solve emerging issues associated with animal waste and are very interested in the approach developed at MSL. “There are opportunities to use this technology in buffer zones near agricultural areas, around manure ponds and livestock enclosures,” Pinza said.

In addition to waste treatment, the researchers believe significant opportunities exist for using fungi to clean up sediment along rivers and in upland areas. “A study we conducted involving remediation of highly contaminated sediment along the Willamette River near Portland was very successful,” Pinza noted. ■



HFD members pose with flagpole ornament: (left to right) chief Don Good, Training Battalion chief W.M. (Mac) Knight, firefighter Ron Hoerner, Fire System Maintenance supervisor Bill Blankingship, fire marshal Rex Jordan and deputy chief Bill Hayes.

Fire Department donates flagpole to Veterans Memorial

Last May, Hanford firefighter Ron Hoerner became aware of the Veterans Memorial project through articles in the *Tri-City Herald*. The project is largely supported through community donations.

“I thought, what better way to support this worthwhile project than to donate a flagpole,” said Hoerner, who once worked for Tom McMillin, the Veterans Memorial’s driving force. Hoerner remembered that there was a spare 41-foot flagpole stored at Hanford’s Central Fire Station, between the 200 East and West Areas. He approached Hanford Fire Chief Don Good with the idea of donating the spare flagpole to the project.

Chief Good, a veteran himself, agreed and worked through the process of declaring the flagpole as “excess” and arranging its donation to the Veterans Memorial Committee. But something was missing. The flagpole didn’t have a top. That didn’t slow the process at all. A number of Fire Department members reached into their own pockets and donated money to buy an eagle ornament for the top of the pole.

“It gives me great pleasure to be a part of an organization whose members give so freely of themselves and support worthy community projects,” said Good. “Soon this eagle will sit proudly in the Regional Veterans Memorial.” ■



Firefighter Ron Hoerner (left) and Fire System Maintenance supervisor Bill Blankingship hold the eagle that will top the flagpole at the Veterans Memorial in Columbia Park. The Hanford Fire Department donated the flagpole and HFD members bought the eagle to top the flagpole.

“Junior Achievement is an outstanding bridge between the classroom and the world of work. One of the many positive aspects of JA is that it encourages students to stay in school. JA is not just good for businesses such as ours; it is good for the entire community.”

**Jacqueline Fernette
Battelle**



Junior Achievement seeks volunteers

If you have not yet had the opportunity to attend a no-obligation Junior Achievement information session, mark your calendar for one of the two sessions that will be held this week at Stevens Center: Wednesday, Sept. 17, at 3 p.m. in room 1305 of 2440 Stevens Center or Thursday, Sept. 18, at 3:30 p.m. in room 153 of 2420 Stevens Center.

Junior Achievement can offer you the opportunity to become an important, possibly life-changing, role model to young people. Junior Achievement’s mission is to inspire young people to value their education and prepare them for the world of work.

Volunteers are the heart and soul of Junior Achievement. For students, they offer inspiration, enthusiasm, knowledge and living proof of how education can change their lives. JA volunteers are mentors, role models, cheerleaders and instructors working to help today’s kids grow into tomorrow’s success stories.

Requests from educators for JA programs increase each year, as more teachers become familiar with the effectiveness of the presentations. Although the number of programs offered has grown dramatically, demand far exceeds resources.

For more information, contact your company’s coordinator:

- Fluor Hanford — Karen Welsh
- Battelle — Rosemarie Bartlett
- CH2M HILL Hanford Group — Cheryl Coppinger
- Hanford Atomic Metal Trades Council — Rebecca Holland
- Lockheed Martin Information Technology — Kyle Willers
- U.S. Department of Energy — John Eschenberg.

'Top down/bottom up' review yields substantial savings

As part of Fluor Hanford's continuing efforts to accelerate its cleanup mission, a team of employees recently completed the first phase of a review to improve the efficiency of operations. The team focused on streamlining work processes to eliminate obstacles that are preventing work from being accomplished safely, promptly and at minimum cost. The review involved both a top-down assessment of the requirements that apply to Fluor Hanford's work, and a bottom-up assessment of the best way to tailor the requirements to the work.



At a recent weekly meeting of the team conducting top down/bottom up reviews of requirements that apply to Fluor Hanford's work, (from left, around the table) Oly Serrano, Bruce Carlisle, Rick McCollum, Art Garcia, Michael Grygiel and John Longenecker discuss progress on improving efficiency. Other team members who are not pictured are Clegg Crawford, Jennifer Nuzum, Reed Kaldor, Ann Hansen and Theresa Bergman.

Over the past few years, the nature of Fluor Hanford's work has changed, and will continue to change from nuclear operations to decontamination and decommissioning. The rules that govern operations are quite different from those for D&D. Fluor Hanford's approach is to apply the appropriate requirements, and then tailor those requirements to the work being performed and the potential hazards.

The review centered around two pilot projects: Waste Management's Liquid Processing and Capsule Storage facility, and the Central Plateau's 224-B D&D project. The team focused on reviewing the requirements being applied to both projects, assuring that the applicability and number of the requirements were appropriate for the work being performed. In addition, the review included assuring that Fluor Hanford is integrating good operating experience not only from other Department of Energy sites, including Fernald, but also from companies doing similar work.

The review identified that the requirements in the LPCS project could be reduced from 1,059 to 800, and the requirements in the D&D project could be reduced from 1,059 to 410. The estimated cost avoidance from this effort exceeds \$1 million, and will increase if extrapolated to all Fluor Hanford facilities and D&D projects.

During the second phase of the project, Fluor Hanford will expand the successes from the first phase to other Waste Management facilities and D&D projects.

Fluor Hanford Executive Vice President Tom Harper said, "The results to date demonstrate that our team is fully committed to working safely and economically, and applying the savings to accelerating the mission for DOE.

I thank the team for their dedication and emphasize that this way of doing business is essential to Fluor's meeting the accelerated schedule milestones in our contract." ■

Regular Features



Calendar

Three Rivers Venture Group sponsors free presentation

Tom McDowell, senior vice president of Windswept Capital in Seattle, will give a free presentation, "Middle-Market Mergers and Acquisitions: Dead or Alive?" on Tuesday, Sept. 16, at the Richland Community Center, 500 Amon Park Drive, from 7:15 to 8:30 a.m. Windswept Capital (www.windcap.com) is an investment-banking and management-consulting firm serving Northwest companies with annual revenues of \$5 million to \$200 million and Northwest-based emerging technology firms with revenues of less than \$5 million. The presentation is hosted by the Three Rivers Venture Group, an interest group of Mid-Columbia entrepreneurs and business supporters. Reserve your spot for the presentation by contacting Gracie Downard at gracie.downard@pnl.gov or at 375-2803.

ANS meeting will feature LIGO presentation

The Eastern Washington Section of the American Nuclear Society will meet Tuesday, Sept. 16, at the Shilo Inn in Richland. A presentation about the Laser Interferometer Gravitational-Wave Observatory (LIGO) will be made by Fred Raab, head of the observatory. Social hour begins at 6 p.m., buffet dinner at 6:30 and the presentation at 7. Make dinner reservations by noon Tuesday by contacting Jeff Grover at 509-372-9382 or via e-mail to JMGrover@bhi-erc.com. Reservations are not needed if you attend for the presentation only. The cost is \$15 for members and \$17 for non-members. Make checks payable to ANS-EWS.

Hanford Technical Library demonstrates resources

The Hanford Technical Library staff can help in your search for information about industries, companies or markets during a demonstration on Thursday, Sept. 18, from noon to 1 p.m. in room 101R of the Consolidated Information Center on the Washington State University Tri-Cities campus. Learn about Web-based resources available through the Hanford Technical Library and on the Internet. Discover how to access business and technical information to stay current with emerging technologies, assess customer

needs, and become familiar with the competitive environment. For more information, contact Karen Buxton at 372-7451 or at karen.buxton@pnl.gov.

Identity theft is topic of SHRM meeting Sept. 18

"What Employers Need To Know About Identity Theft" is the topic of the presentation by Sandra Brewer of Pinnacle Investigations at the Sept. 18 dinner meeting of the Society of Human Resource Managers at Coco Loco's, 2588 N. Columbia Center Blvd. in Richland. The meeting begins at 5:30 p.m. The cost is \$13.50 per person. Make your reservation by visiting the Web site at www.columbiabasinshrm.com and click on "Chapter Meetings." You can also reserve your spot by sending an e-mail message to tracie_lorenzen@rl.gov.

Panel discussion on raising capital to be broadcast

MIT Enterprise Forum presents a free satellite broadcast, "No Money Down: Raising Capital from Unconventional Sources," on Thursday, Sept. 18, from 4 to 6 p.m. at the Washington State University Tri-Cities campus. Panel members include Vic Petri, global leader of the Software and Internet Sector for Pricewaterhouse Coopers; Jake Karrfalt, president and chief executive officer of Alternative System Concepts; Pamela Lipson, CEO and president of Imagen, Inc.; and Bernd Schoner, managing partner of ThingMagic, LLC. The panelists will speak about their successful experiences in generating non-investment capital. The broadcast is co-hosted by WSU-TC and Pacific Northwest National Laboratory. For more information, contact Gary Spanner at 372-4296 or at gary.spanner@pnl.gov.

Recycling seminars scheduled across the site Sept. 24

The CH2M HILL North Employee Accident Prevention Council will present a recycling seminar on Wednesday, Sept. 24. Guest speaker Gail Baasch of the City of Richland will address the following topics: the need for recycling, what products can be recycled (including computers and tires), litter laws, disposal requirements for fluorescent light bulbs and upcoming recycling programs in the Tri-Cities. For more information, contact Sheila Wells at 373-3469 or at

Calendar continued next page.

Regular Features



Calendar, cont.

Sheila_M_Wells@rl.gov. The schedule for the seminars is:

- | | | |
|----------------|--------------------|------------------|
| • 2440 Stevens | rooms 1305 A and B | 8-9 a.m. |
| • 2750-E | room B103 | 10:30-11:30 a.m. |
| • 2704-HV | room G206 | 12:30-1:30 p.m. |
| • MO-281 | room 112 | 2:30-3:30 p.m. |

Stuffed animal sale to benefit ADA

CH2M HILL Hanford Group employees are selling beanie animals to raise funds for the American Diabetes Association Walk on Sept 27. The USA Ride assortment, — a bear, a dog and a pig — are \$5 each and the bumblebee/ladybug bears are \$10 a pair. These stuffed animals make great presents for children. You can purchase these stuffed animals and arrange for CH2M HILL to donate them to hospitalized children. You may purchase the beanie animals from Kern Gauntt in 272-AW, Room 8; Shanna Sansom in MO-684, Room 6-B; Laurel McManus in 272-AW, C-104; Pam Aardal in MO-267, Room 9; Kimberly Cutforth in MO-267, Room 9; Kristi Samifua in 2704-HV, Room C212; Theresa Griggs in 2750-E, Room D250; and Dawn MacDonald in 2750-E, Room D252.

Fall blood drives scheduled

The American Red Cross will hold the following blood drives this fall:

- Oct. 2 at the Federal Building, 11 a.m.-2:30 p.m. Registration will take place in the lobby with the drawing in the bloodmobile in the parking lot north of the building. Call the Red Cross at 800-787-9691 to schedule an appointment.
- Oct. 21-22 at the Battelle Auditorium. Contact Ram Devanathan at 376-7107 or ramaswami.devanathan@pnl.gov to schedule an appointment.
- Oct. 28, 9:30 a.m.-1 p.m. at Lockheed Martin Information Technology. The bloodmobile will be parked at 2261 Stevens. Call Kelly Layfield at 376-6785 for an appointment.
- Nov. 4, 2-7 p.m. at Columbia Community Church, 150 Gage Blvd. Call 627-2055 for an appointment.

Safety and Health Conference takes place Oct. 3

“Emerging Issues in Safety and Health” is the title of the third Safety and Health Conference Oct. 3, 8 a.m.-5 p.m., at the Volpentest HAMMER Training and Education Center. The Lower Columbia Basin Chapter of the American Society of Safety Engineers, the Tri-City Education Committee of the Pacific Northwest Section of the American Industrial Hygiene Association, and the Northwest Chapter of the System Safety Society are sponsoring the conference. The conference fee is \$125 (\$100 for speakers, \$45 for students). For more information, contact John Cavanaugh at 373-9625 or at john_e_jr_cavanaugh@rl.gov, or John Hinckley at 371-4408 or at jhinckle@bechtel.com.

Heart Walk scheduled for Oct. 11

Mark your calendars for Oct. 11, the date of the Tri-Cities Heart Walk. Now in its 11th year, the Heart Walk is the core fund-raising event benefiting the American Heart Association. AHA’s goal is to help reduce coronary heart disease, stroke and risk by 25 percent in Washington by the year 2010. The registration for the walk is at 9 a.m. and the walk will start at 10. Teams of walkers are forming; call your company representative to sign up. At press time the following company representatives had been identified: Calvin Dudney, Fluor Hanford, 373-6267; Bryan Kidder, CH2M HILL, 372-0803; Dale Denham, Bechtel Hanford, 372-9226; Sandra Linfoot, Battelle, 372-6736; and Ann Shattuck, Fluor Federal Services, 376-8456.

Northwest Purchasing Conference Oct. 9-11

The National Association of Purchasing Management-Columbia Basin will host the Pacific Northwest Purchasing Conference Oct. 9-11 at the Kennewick

Calendar continued next page.

Regular Features



Calendar, cont.

Red Lion Hotel. The conference will feature speakers, workshops, programs and a trade show related to purchasing, materials management and supply-chain management. For more information, consult the conference program Web page at <http://www.nap.mcb.org/conference/60thPurConf2003.htm>.

ASQ meets at Castle Air on Oct. 14

The Oct. 14 meeting of the local section of the American Society for Quality will be held at Castle Air, at 1846 Terminal Drive in Richland. Castle Air, a small business specializing in heating and air-conditioning sales, installation and repair, was recently honored by the four area Chambers of Commerce with the 2003 Mid-Columbia Small Business of the Year Award. Check-in and networking and a light dinner will start at 6 p.m., with the presentation and tour following at 6:45. The cost is \$8 for ASQ members and \$10 for non-members. Reservations are required and must be received by Oct. 9. Call 372-1442, send an e-mail message to lynn_l_gates@rl.gov, or register via the local ASQ section Web site at <http://www.3-cities.com/~gates/ASQ614.html>. Click on "What's Next" for additional information about the company and the dinner menu. ♦



Classes

D2000 PROTRAIN offers software training

Primavera Project Planning

- P-3 601, Sept. 15-17
- P-3 602, Sept. 18
- P-3 603, Sept. 19

Crystal Reports 8

- Introduction, Sept. 29
- Advanced, Sept. 30

Access 2002 XP — Starts the week of Sept. 15-17

MS Project 2000

- Beginning, Sept. 22
- Intermediate, Sept. 23

Windows XP Upgrade — Sept. 26

For more information, contact Sarah at 375-0414 or at sarah@protrainsys.com. Group discounts are available.

Environmental regulation, waste management

Environmental Training Management Division Training, a division of Technical and Field Engineering, Inc., is offering "Management of Polychlorinated Biphenyls" Sept. 23-25 in Richland. Cost is \$780. Learning modules include background of PCB information (physical, chemical and toxicological properties) and discussion of 40 CFR 761. Visit www.etmdtraining.com to register or for more information.

LMIT sponsors Quantitative Management course

Lockheed Martin Information Technology will host "Quantitative Management," a course conducted by the Software Productivity Consortium, on Oct. 14-15 at the Consolidated Information Center at Washington State University Tri-Cities. The instructor is David Card, an SPC fellow. The course cost is \$150. For more information about the course, or to register, contact Kelly Layfield of LMIT at 376-6785.

Professional development classes offered in fall

The Tri-Cities Technical Council, an organization that represents local professional societies, will sponsor continuing education and professional development courses to be held 8:30 a.m. to 5 p.m. in the Royal Hotel and Conference Center in Richland. The following courses are scheduled for fall:

- **Heat Stress** – Oct. 24. The cost is \$295 for American Industrial Hygiene Association members and \$375 for non-members.
- **Design-Build Contracting** – Oct 24-25. The cost is \$895 for American Society of Civil Engineers members and \$1,095 for non-members.
- **Automatic Control (Advanced)** – Oct 24-25. The cost is \$795 for American Institute of Chemical Engineers members and \$955 for non-members.
- **Effective Communication** – Oct. 24-25. The cost

Classes continued next page.

Regular Features



Classes

is \$795 for AIChE members and \$955 for non-members.

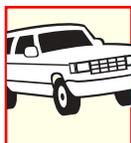
- **Hazards and Operability (HAZOP) Studies** – Nov. 7-8. The cost is \$795 for AIChE members and \$955 for non-members.
- **Practical Project Evaluation: Cost Estimating** – Nov. 7-8. The cost is \$905 for AIChE members and \$1,055 for non-members.
- **Essentials of Chemical Engineering for non-Engineers** – Nov. 7-8. The cost is \$795 for AIChE members and \$955 for non-members.
- **Investigating Process Safety Incidents** – Nov. 7-8. The cost is \$795 for AIChE members and \$955 for non-members.
- **Shortcut Problem Solving** – Nov. 21-22. The cost is \$795 for AIChE members and \$955 for non-members.
- **Time Management** – Nov. 21-22. The cost is \$795 for AIChE members and \$955 for non-members.
- **Managing in a Technical Environment** – Nov. 21-22. The cost is \$795 for AIChE members and \$955 for non-members.

Registration is due four weeks ahead of the course date. Students will earn Continuing Education Units or Certification Maintenance points. To register for the AIChE courses, send checks to the Columbia Valley Section of AIChE, P.O. Box 305, Richland, WA 99352. To register for the ASCE courses, send checks to Tri-Cities Technical Council, P.O. Box 1483, Richland, WA 99352. For more information or to register for the AIHA courses, contact Marve Hyman at 375-0222.

Resource Training Institute, LLC, offers courses

The Resource Training Institute, LLC, will offer “Accelerated Cleanup Site Closure: Integrating Regulatory and Administrative Activities” on Dec. 2-3. The cost is \$490.

To register, contact the RTI registrar at (803) 652-8830 or at registrar @rtii.org. For the full course schedule, visit <http://www.rtii.org>. ♦



Vanpools

Vanpool ads are run for two weeks. Ads must be resubmitted to run in subsequent issues of the *Hanford Reach*. The deadline for submission is Thursday, 10 days prior to publication.

Day and Zimmermann Protection Technology Hanford reminds employees to wear their badges while on site and be prepared to show them when passing through a barricade. Vehicle drivers are responsible for ensuring their passengers are badged prior to leaving their point of embarkation. A vehicle driver who transports an unbadged person through a barricade and the unbadged person will be issued Security Incident Notices and the unbadged person will be escorted off site. Re-entry is not allowed until a proper badge is obtained.

KENNEWICK

Express vanpool to 200E. Leaves from Albertson's on Clearwater and Edison. Drops off in the vicinity of 2750, MO-384, WESF and LEF. Contact **Scott** at 372-0473 or **Max** at 373-9161. 9/8

RICHLAND

One rider is looking for a vanpool to 222-S Laboratory (200W) with a pick-up from the Columbia Center Mall Area or near Costco/Gage Blvd. Please call **Rampur Viswanath** at 376-9223 if you have room in your vanpool. 9/15

Vanpool Express (with new van) to 200E needs several riders, 8x9s. Monthly rate as low as \$35. Leaves former Hanford bus lot (across from 2440 Stevens) at 6:25 a.m. and drops off at 2750-E local area. Will also pick up and drop off along route to and from bus lot: from Albany Ct. north on Alder, east on Bismark, north on McMurray, and north on Stevens Drive. Contact **Dave Hedengren** at 373-5094. 9/8

Vanpool No. 240 has an opening for a rider on 8x9 shift. Leaves Joe's Chevron, corner of McMurray and Jadwin, at 6:05 a.m. and travels to 2750-E, 2719-EA and 2704-HV. Will consider other stops along the route. Returns to the Chevron station about 5 p.m. and at 4 p.m. on working Fridays. Contact **Bill Cowles** at 376-4725 or **Colleen Federico** at 376-3623. 9/8 ♦