

Energy Systems at Portsmouth

A Monthly Newspaper for Portsmouth Gaseous Diffusion Plant Employees of Martin Marietta Energy Systems, Inc.

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Number 10

HEU suspension project begins initial stage

Some 39 years ago, Jack Crawford headed up one of the production crews in Area 2 — back when production first began at the Portsmouth plant. “Those were fun times,” he reminisced. He is now in charge of the “HEU Crew,” which is coordinating the suspension of the production of highly enriched uranium (HEU) at Portsmouth.

Portsmouth began the initial process of this project on Nov. 30. However, the preparation has been ongoing for more than a year.

The project got started early in 1991 when a federal committee recommended that the high assay portion of the Portsmouth Gaseous Diffusion Plant be shut down. This committee, including representatives from the National Security Council and the Department of Defense, had been appointed to evaluate requirements for high assay uranium for defense purposes.

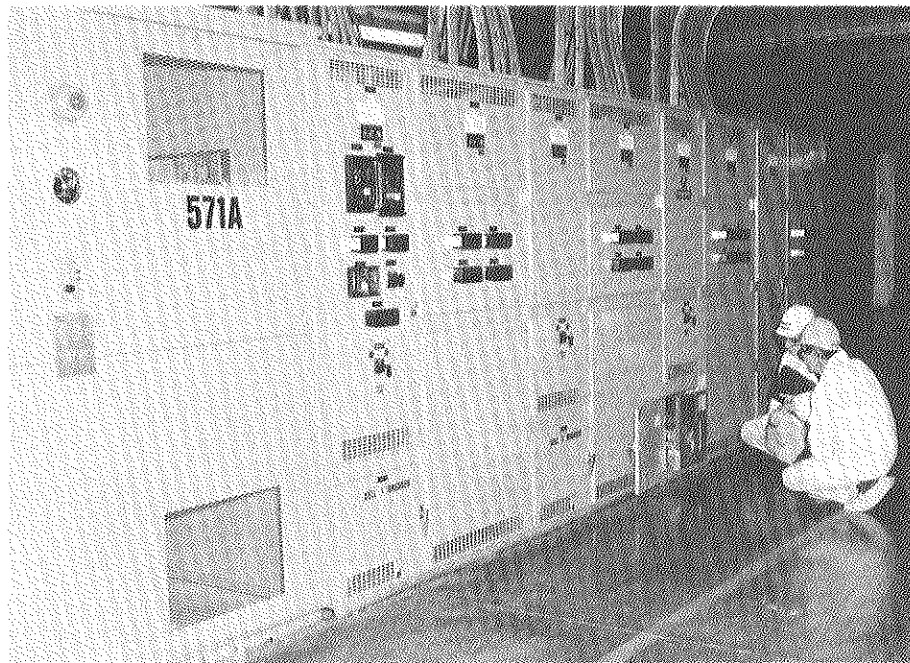
Production of HEU was no longer needed since future requirements for HEU could be met from existing Department of Energy (DOE) inventories and from uranium recovered through dismantling of nuclear weapons.

When Portsmouth learned of this recommendation, personnel began conducting studies on the suspension of HEU production at the plant as well as removal of HEU from the plant. These studies were completed in June 1991.

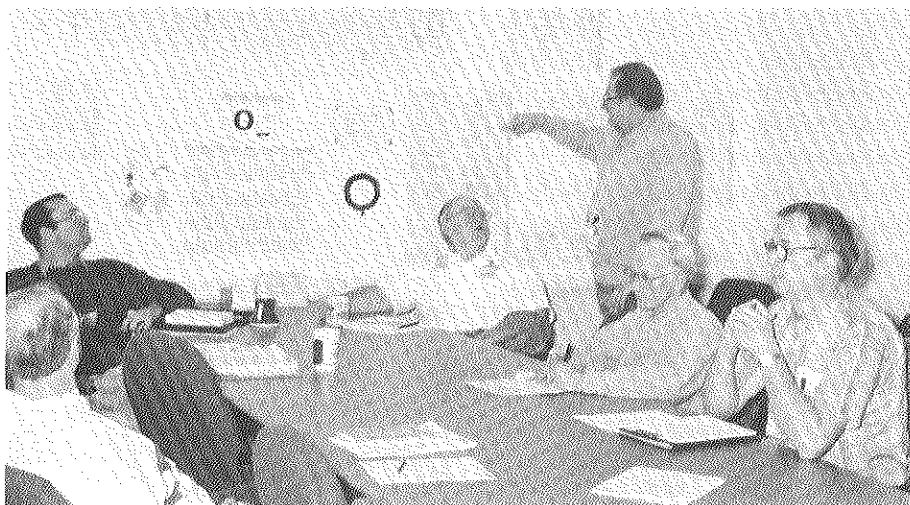
In August 1991, an Operations Readiness Review was put into place. Originally developed by EG&G, this program had been used by Gas Centrifuge Enrichment Process (GCEP) personnel, including Bob Kefgen of the Applied Nuclear Technology department. Kefgen drew on his GCEP experience to put together all the original diagrams and charts for the HEU program. They outlined every function that needed to be performed over the three-year period to get Portsmouth ready for X-326 stand-by operations. This system was designed to keep track of each element of the project, the person responsible for its completion, the due date, and its current status.

DOE asked Martin Marietta to appoint a Program Manager to be in charge of the HEU suspension program. Crawford, Division Manager of Technical Services at that time, was appointed Acting Program Manager. (On Sept. 16, he was assigned to this position on a permanent basis.)

Deputy Plant Manager John Shoemaker was appointed as Chair for a readiness



Above, Larry David and Henry Smith of Construction Engineering check a feeder breaker in the new substation for the top purge modifications. Below, Jack Crawford points out an item on a readiness review chart to (clockwise from lower left) Dick Shelton, Mark Hasty, Jim Normand, D.D. Adkins, and Mike Milam during an HEU Crew meeting.



review board. Crawford and the HEU Crew were given the task of periodically updating the board on the project's progress.

After these elements were in place, discussions began between Martin and DOE personnel. DOE insisted that the entire process should take only three years — the deadline was Sept. 30, 1994. For this to be achievable, concessions had to be made.

For instance, this project would normally have been a line-item project, which has to be approved by Congress and usually takes three years to even start, according to Crawford. Therefore, the project would

have to be funded out of existing budgets in order to be completed on schedule.

In addition, engineering work would have to begin prior to NEPA (National Environmental Policy Act) approval. Construction workers would have to receive clearances quickly. A safety analysis would have to be done at the same time that engineering work was taking place.

These concessions were granted as Portsmouth was given permission by DOE to begin preliminary activities before announcement of HEU suspension activities was even made. Approval was given to fund the project out of various existing

(Continued on Page 5)

NDA process used in X-326

One of the goals of the HEU suspension project is to put equipment in standby in a safe manner. This has involved identifying uranium deposits in the X-326 Building and recovering as much material as possible.

Consequently, a whole new way of confirming uranium deposits in the cascade has begun — non-destructive analysis (NDA). Though the process itself is not new, it has not been used previously to locate uranium deposits.

NDA involves using sophisticated radiation monitoring equipment to identify compounds by analyzing the types of radiation that are being generated from those compounds. This process is allowing personnel to identify the location and size of deposits of enriched uranium in the X-326 Cascade.

Once the cells where the deposits are located are identified, they are treated or “shot” with a mixture of chlorine trifluoride and fluorine. A new way of treating, known as inverse recycle, involves circulating this mixture into the cell and associated piping in a manner which maintains an even concentration of gases and temperature. The gases react with solid deposits inside the cells and convert these deposits back to uranium hexafluoride (UF₆) gas. The UF₆ can then be recovered and blended with other material to fill enrichment orders from customers.

Treatment began with the cells with the largest deposits. To date, 19 cells have been treated. Portsmouth personnel have recovered 1,958 pounds of enriched UF₆ worth approximately \$1.1 million.

The inverse recycle process was developed by members of Portsmouth's Systems Analysis department. Once it was developed, an advisory committee staffed by fluorine experts analyzed the process to make sure that it would be safe. The committee consisted of Dr. Lee Trowbridge, Dr. James Leitnaker, Dr. John Barber, and Dr. Robert Ritter of Oak Ridge; and Dr. Anthony Saraceno, Department Head, Chemical and Materials Technology.

UMH breaks Portsmouth shipping record

The Uranium Materials Handling Department established new records for Portsmouth during Fiscal Year (FY) 1992. These records included the number of cylinders processed through the X-344 Autoclaves, number of customer-owned cylinders filled with enriched uranium at the autoclave area, and the number of customer cylinders shipped from the Portsmouth facility.

During FY 92, a total of 633 10- and 14-ton cylinders were processed through the autoclave area. Their contents were then transferred into 1,965 2.5-ton customer cylinders. A total of 2,114 customer cylinders were then shipped from Portsmouth during the fiscal year.

The previous record for cylinders processed through the autoclaves had been 618 cylinders — which was established in FY 1989. The past record for number of customer cylinders filled in this area had been 1,883 cylinders which was accomplished in FY 90. The new record of 2,114 customer cylinders shipped from Portsmouth during a fiscal year surpassed the previous record of 1,834 which was also established in FY 90.

“The employees assigned to this area, both Maintenance and Operations personnel, have been asked to adopt many new work practices over the past several

years,” explained Department Head Mark Conkel. “They worked extended schedules to accommodate requests of customers. They have been both cooperative and positive and take a great deal of pride in the quality of their efforts,” he added.

The 2,114 cylinders shipped from Portsmouth during FY 92 was equivalent to 16.46 million Separative Work Units (SWUs), also an all-time record. The previous record, 15.15 million, was set in FY 89. The SWU statistics include enrichment by both the Portsmouth and Paducah plants. Portsmouth feeds Paducah product into its cascade and is responsible for withdrawal, transfer and shipment to customers. Measurements are based on 0.20 tails assay.

A SWU is a measure of the work required in a uranium enrichment plant to separate uranium of a given U-235 content into two fractions, one of a higher percentage and one of a lower percentage of U-235. One SWU is the energy equivalent of 76 barrels of oil; 17 tons of coal; 490,000 cubic feet of gas or 53 tons of garbage.

Other Portsmouth statistics for FY 92 included the production of 5.97 million SWUs, an average power level of 1654 megawatts (99.1 percent of production target), and all deliveries made on schedule and in specification.

MMC and GE announce merger

On Nov. 23, Martin Marietta Corporation and General Electric Company announced that they had reached a definitive agreement to merge GE's Aerospace businesses into Martin Marietta. This merger will expand the new Martin Marietta's competitive position in such diversified markets as space, communications, defense, electronics, information, technical services, materials and energy.

With the addition of the GE operations, Martin Marietta's annual revenues will nearly double, approaching \$11 billion, including approximately \$3 billion in sales from commercial and civil government customers. Martin Marietta's backlog will increase to \$19 billion, not including \$9 billion in Department of Energy operating contracts. Martin Marietta's employment will be about 94,000 people, including 27,000 engineers and scientists.

The transaction is valued at \$3.05 billion. GE will receive cash and \$1 billion in convertible preferred stock in Martin Marietta. Martin Marietta will support GE's nomination of two additional members to its expanded board of directors.

The GE Aerospace businesses that will join Martin Marietta are major suppliers of satellites, radar and sonar systems, simulation systems, communications systems, government technical services and other aerospace and defense systems. Revenue

from these operations in 1991 exceeded \$6 billion. The merger also provides for Martin Marietta's use of General Electric's Corporate Research and Development Center as part of a continuing cooperative agreement between the two firms.

Norman R. Augustine, Chairman and Chief Executive Officer of Martin Marietta, said, “This new Martin Marietta meets our three strategic objectives for continued prosperity: strengthening of our core businesses, expansion into closely-related civil and commercial markets, and enhancement of shareowner value.”

The merger has been approved by the board of directors of both Corporations. It is now subject to government review and the approval of Martin Marietta shareowners. The transaction is expected to close during the first half of 1993.

Included in the transaction are GE Aerospace, headquartered in Valley Forge, PA, and with major locations in Syracuse, Binghamton and Utica, NY; Moorestown, Cherry Hill, East Windsor and Camden, NJ; Pittsfield, MA; Burlington, VT; and Daytona Beach, FL. Also included in the transaction are GE Government Services, headquartered in Cherry Hill, NJ; Knolls Atomic Power Laboratory in Niskayuna, NY; and the Machinery Apparatus Operation in Schenectady, NY.

Portsmouth personnel who helped to break the shipping record included Bill Shortridge, Carl Munn, Donna Howard, Darlene Munn, Perry Mingus, Derrick Latimore, and John Figlestadler. Others are named below.



The remaining UMH and Maintenance personnel who helped to break Portsmouth's shipping record included (front row) Don Davidson, Charlie Sims, Dean Hoover, Jesse Franklin, Willis Hamilton, Mike Williams, Gayle Copley, Donna Christman, Brad Benner, Phil Gullett, Debbie Kielmar, Greg Barch, (second row) Dept. Head Mark Conkel, Steve Cole, Dee Jamison, Bob McCoy, Roger Knauff, Bruce Dwyer, Bill Bowen, Jim Chandler, Marshall Figgins, Mark Veach, Pat Spriggs, Gina Smith, Dana Schrader, Loren Thomas, Don Hutchinson, Mike Osborne, Frances Collier, Wali Hamilton, (top row) Dan Bauer, John McClellan, Bob Tackett, Diana Yates, Jim Gatrell, Mark Ratliff, Bob Richards, Dan Arnett, Ken Stephens, Rich Boelens, John Sloas, Dennis Massey, Virgil Holsinger, Dockie Tackett, Larry Dingess, Dave Mathews, Marie Page, and Rick Johnson. NOT PICTURED are Ray Copas, Paul Lane, Joe Sisler, Bob Tandy, Lomnie Murray, Dave Scott, Chuck Whitaker, Barry Massey, Ron Magill, Doyle Coleman, Carl McCrary, Darwin Rhoden, Mel Ramey, Jerry Speakman, Rick Perkins, Don Crusan, Steve Locke, Paul Horsley, Don Crace, Gene Adams, Brian Richards, Jaimie Huff, Jeff Fannin, Tim Clark, Kurt Young, Tony Dryden, Sylvan Steward, Bob Givens, Mark Chandler, Ken Adkins, John Jenkins, Tim Sapp, John Sanders, Jeff Conklin, Greg Maynard, Mark Rupp, Dan Stephens, Kathy Eley, Rodney Spriggs, Anita Salisbury, Dean Bussa, Troy Strode, Jerry Jackson, and Randy Rogers.

MARTIN MARIETTA

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Published monthly for Energy Systems employees at Portsmouth such as Cheryl Lovette of the General Engineering Division in the Technical Operations Division.

UE receives award fee rating

Energy Systems has received its award fee performance ratings from the Department of Energy (DOE) for the second half of Fiscal Year (FY) 1992, the six-month period that ended Sept. 30.

The rating for management of the Oak Ridge business units was 86 (Good) for Y-12, 84 (Satisfactory) for Oak Ridge National Laboratory (ORNL), and 83 (Satisfactory) for Applied Technology. The rating for the uranium enrichment (UE) contract was 86.3 (Good). This was a significant improvement in comparison to the award fee rating for the first half of FY 1992 which was 82 (Satisfactory).

In addition, this award fee rating is the highest grade UE performance has received for any of the seven periods since the Paducah and Portsmouth facilities were placed under one contract in September 1989.

The UE Award Fee Determination Plan is broken down into two major performance awards: Environmental, Safety and Health (ES&H), which received a score of 82, and Enrichment Operations and Business Services (EOBS), which received a score of 87. Two more points were added for the Cost Reduction Incentive program.

"The people here at Portsmouth are to be congratulated for their efforts this past six months which resulted in our best rating as a Uranium Enrichment Enterprise," said Plant Manager Ralph Donnelly. "I also want to give special thanks for the efforts put in to support the Cost Reduction Special Emphasis area. As this continues to be an emphasis area during FY 1993, your ongoing efforts in this area are needed and appreciated."

Several accomplishments were noted in the award fee announcement made by Joe La Grone, Fee Determination Official, DOE Field Office, Oak Ridge. They included the following:

- An effectively managed Safety Analysis Report Upgrade Program
- The completion of the Highly Enriched Uranium Safety Analysis milestones, including a high quality nuclear criticality safety analysis to support the Portsmouth "top" standby efforts
- Waste management/minimization was improved at both the Portsmouth and Paducah sites.
- Portsmouth prepared and moved 6,500 containers of Resource Con-

servation and Recovery Act (RCRA) and RCRA mixed waste to an on-site facility in accordance with Ohio Environmental Protection Agency Director's findings and orders.

- The number of National Pollutant Discharge Elimination System (NPDES) noncompliances at Portsmouth were significantly reduced.
- Environmental compliance commitments were met on schedule.
- The Environmental Advisory Committees at both sites are continuing the efforts of public oversight and liaison regarding environmental issues and concerns.
- All product was delivered as scheduled from the Portsmouth plant with product shipments totaling 15 percent higher than FY 1991 levels.
- The construction activities for the standby operations at Portsmouth in the X-326 Building began on time. Other X-326 standby activities have progressed satisfactorily and continue on target.
- Portsmouth and Paducah have continued efforts to reduce personnel security clearances.



Niner



Taulbee



Litten



Potter



Roberts

Promotions

Ronald C. Niner has been promoted to Assistant Cascade Coordinator, X-300 Building. He reports to Jules E. Ratliff, Department Head, Plant Control Facility.

Timothy D. Taulbee has been promoted to Supervisor, Health Physics. He reports to Gary W. Medukas, Operations Group Supervisor, Health Physics.

C. Elaine Litten has been promoted to Supervisor, Administration. She reports to Steve Pullins, Division Manager, Maintenance.

Max W. Potter has been promoted to Supervisor, Maintenance. He reports to Matthew Jermusyk, General Supervisor.

Alan E. Roberts has been named Supervisor, Maintenance. He reports to James V. Anzelmo, Department Superintendent, Technology Enhancement.

Obituaries

Merrit Scott, 56, Jackson, November 19. Survivors include a son, Merritt Scott (Maintenance Shops) and a son-in-law, Dave Burt (X-333 Maintenance).

Beulah Moore, 61, Chillicothe, November 20. Survivors include two brothers, Doy McCrary (UMH Support Maintenance) and Carl McCrary (X-340 Complex Maintenance), and a sister-in-law, Christine McCrary (Accounts Payable).

Lon C. James, 69, Chillicothe, December 1. James was an hourly employee in the Materials department when he retired in April 1988. Survivors include his wife, Beatrice.

Shadowing program to help students

A new program has begun at Portsmouth to enhance student awareness of careers available within Energy Systems and the general employment market. It also helps students to gain an understanding of the work place.

The Student Shadowing Program, coordinated by Julie Thompson of Employment, debuted on Nov. 13 with two eighth graders from Smith Middle School of

Chillicothe accompanying their parents to work for the day.

Jeff Boyce spent the day at the fire station with his father, Fire Chief Jim Boyce, while Lee Wilson, son of Linda Wilson, spent the day with his mother in the Civil Engineering department.

The program allows students to observe and "shadow" an Energy Systems employee during a workday or a specified

period during office shift, Monday through Friday. The visit must previously be approved by the Department of Energy and the Energy Systems Security Department.

An eligible student must be a United States citizen who possesses a Social Security number. He or she must be a child, relative or close family friend of the employee. Other students will be considered for participation in the program on a case-by-case basis as recommended by the respective school administration.

The program will be offered through area schools and coordinated through the principals or designated representatives. It will be limited to five students per day, not to exceed 10 students per month.

For further information about the program, contact Thompson at Ext. 2318.

New rate is announced on EE Savings Bonds

The semiannual market-based interest rate for Series EE Bonds issued between November 1, 1992 and April 30, 1993, is 5.04 percent for their initial semiannual interest period. The current minimum rate is six percent for Bonds held at least five years.

The semiannual rate changes each May and November, based on market averages during the preceding six months.



Jane Johnson of Management Systems and Training Support discusses the different types of cylinders used in transporting and processing uranium hexafluoride with Jeff Boyce, Jim Boyce, Lee Wilson, and Linda Wilson.

New team works to improve complaint handling

Filing a complaint is never easy. However, an empowered work team dealing with complaint handling systems at the Portsmouth plant is trying to make the system more consistent and to foster an atmosphere where employees, subcontractors, and guests feel free to express their concerns.

Several people at Portsmouth are available to handle different types of complaints (see table). However, employees should try to discuss problems with their supervision before contacting one of these complaint handlers. Supervision should be afforded the opportunity first to resolve problems or to get them resolved.

But this is not always possible. "Sometimes the supervisor may be part of the problem, and other internal avenues must be available," said Sally Cunningham. She chairs the team which was formed in August 1992 to improve the complaint handling system at Portsmouth. Besides her, the team consists of LaDonna Coriell, Personnel Relations; Jeanette Langford, Equal Employment Opportunity/Affirmative Action; Ed Paul, Internal Audit; Gary Salyers, Industrial Safety; and Jeff Hedges, Chemical, Utilities and Power Operations. Willis Walker serves as legal counsel for the group.

If employees do not feel comfortable dealing with their supervision on certain matters, then one of the complaint handlers will be available to take their complaint. Cunningham stresses that once a complaint is left with a certain individual, that person must be given time to provide an answer. In the past, several complaints have been registered with more than one complaint handler. Consequently, duplicate investigations have been conducted in regard to the same complaint.

The complaint handling team meets every two weeks to discuss goals and to make plans. Initially, they have agreed to work to make Standard Practice Procedures on the com-

Type of Complaint	Contact	Extension
EEO/AA Complaints	Jeanette Langford	4542
Ethics Office	Wayne McLaughlin	2554
Salaried Employee Complaints	LaDonna Coriell	3856
"Hot Line" Waste, Fraud & Abuse Safety, Health, Environment	Ed Paul	2401 (24 hours)
Industrial Safety	Gary Salyers	2763



Attendees of the Complaint Handling offsite retreat, conducted on Nov. 12 at Governor's Lodge in Waverly, listen to LaDonna Coriell discuss Salaried Employee complaints. Pictured clockwise are Ed Paul, Barbara Cooley, Wayne McLaughlin, Melonie Valentine, Coriell, Sally Cunningham, Jeanette Langford, Bill Strunk, and Gwen Blanton.

plaint handling system more consistent. They have also agreed that initial response to complaints must be given to complainants within 10 days of filing; those who registered the complaint should at least receive a status report within that time period.

In addition, the team has a goal of providing an answer or resolution for the complainant within 30 days of filing. However, in some cases, this time frame is not possible because of the complexity of the issue — a plan of action may have to be implemented, holding up closure of a complaint for a number of months.

Some complaints are easier and therefore quicker to answer because they are objective.

"You can find hard data to substantiate or refute the complaint," Cunningham said. Others are not so objective and fall into grey areas. Complainants have to realize that decisions can only be based on available facts. Therefore, when it comes down to one person's word against another, decisions can be very difficult to reach.

Hedges, a Management Committee representative on the team, said that it is vital that all complaints be handled promptly and accurately. He feels that if fears and concerns of employees are addressed, "their attention can be focused on their work," he stated. "The complaint system should be a reflection of Martin Marietta values."

Many employees, contractors and even people from outside the plant contact the Waste, Fraud and Abuse hot line to register their complaints. This hot line operates around the clock, thanks to an answering machine. "A large number of these complaints are made anonymously, and several of them have had merit, meaning that something factual about the case was found to be supported by objective truth," Cunningham explained.

However, employees should be careful not to deluge the system with complaints that have no validity or merit. Make sure the issue needs to be addressed. "Employees have the right to file as many complaints as they want," explained Hedges, "but if the system is encumbered with complaints that have no merit, it keeps the system from dealing efficiently with those that do."

The complaint handling team is working to "foster an atmosphere where employees, subcontractors and guests feel free to express their concerns and raise issues without fear of retaliation and retribution." One of the objectives of the team is to contact known complainants 30 days after the answer has been given to see if they have received any retribution or reprisal. If any kind of retaliation has occurred, and it is proven, positive discipline will be enforced upon those who commit these acts. Hedges said that he wants to make sure that the complaint handling team establishes a mechanism for management to track this facet of the system to ensure its success.

On November 12, the complaint handling team met for an offsite day-long discussion on the complaint handling system in an attempt to identify trends and problems within the system. Energy Systems has also been doing its homework by studying successful complaint handling programs at other companies.

Representatives from Oak Ridge and Paducah recently took a "benchmarking" trip to Federal Express to study their complaint handling system, as that company is a recipient of the Malcolm Baldrige Award, a prestigious award granted to organizations meeting extremely high quality criteria. The information gleaned from this trip has been shared with Portsmouth. Through the use of this material and perhaps other benchmarking trips, the Team is striving to make the Portsmouth Complaint Handling System the "best of the best."

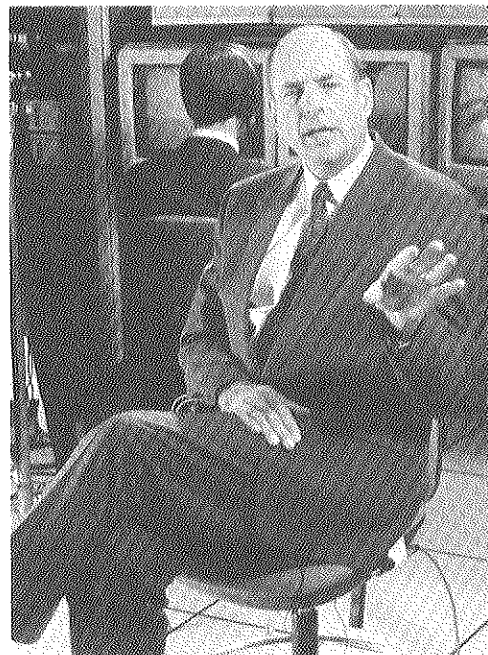
Latest *Insight* video available

Chairman of the Board and Chief Executive Officer Norman R. Augustine answers questions about company benefits, frequent flyer miles and the recent presidential election in the latest edition of *Insight*, the employee information videotape produced quarterly by Martin Marietta Corporation. Other highlights include an update on companies across the corporation and a feature on the mentoring program at Martin Marietta Electronics and Missiles Group in Orlando, Fla.

Copies of the tape in VHS format are available from Public Affairs by calling Angie Dudit at Ext. 2457.

Employees who have comments or suggestions may direct them to Augustine c/o *Insight* Video Report, 6801 Rockledge Dr., Bethesda, MD 20817.

At right, Augustine records the "Ask Augustine" segment of the latest edition of *Insight*.



Augustine

Ethics Hotlines

- Portsmouth Ethics Representative
Wayne McLaughlin (Ext. 2554)
- Portsmouth Waste, Fraud and Abuse
24hour Hot Line (Ext. 2401)
- Energy Systems Hot Line
(615-576-9000)
- Martin Marietta Corporation Hot
Line (1-800-3-ETHICS)
- DOE Inspector General and
Environmental Hot Line
(1-800-541-1625)

HEU Crew works together to fulfill objectives

(Continued from Page 1)

funds.

So Portsmouth was ready when Energy Secretary James D. Watkins made the decision official on Nov. 8, 1991. Immediately, the project went into full operation with a goal of fulfilling three major objectives: (1) suspend production of HEU; (2) provide a viable low enriched uranium (LEU) cascade; (3) put equipment in standby in a safe manner.

The first goal had already received much attention, but once the decision was public, Crawford had to prepare a comprehensive plan for suspension of HEU at Portsmouth. The plan was finalized by Jan. 15.

Representatives from divisions across plantsite formed the "HEU Crew," a communications "net" that meets daily to resolve problems, establish priorities, and make things happen. (see list)

"The HEU Crew represents approximately 200 to 300 people who contribute to this project in some way," said Crawford. No member of the HEU Crew reports directly to Crawford, but they have dotted matrix responsibilities they perform in relation to this project.

"I am really impressed with people at

this plant and the work they can do when given an objective," Crawford added. "I have seen things accomplished at this plant that I've never seen happen here before."

By January 1992, NEPA approval, which usually takes an average of one year to obtain, had been received.

The second goal, providing a viable LEU cascade, was important so that Portsmouth could continue its mission of providing fuel for civilian nuclear power reactors, continuing its history of never missing a shipment and of providing quality material to customers on time and in specification.

Thus, putting the "top" of the cascade on standby created a potential specification problem. The American Society of Testing Material (ASTM) limits U-234 concentration in LEU product to 10,000 parts per million (ppm) based on the percentage of U-235 that is present. U-234 is a natural isotope which is the major alpha emitter in uranium.

This limit had significant impact. For instance, anything above the 10,000 ppm limit could not be accepted by Japanese fuel fabricators since it would be in direct violation of Japanese environmental laws.

Before, LEU produced at Portsmouth never contained U-234 above 10,000 ppm

because most of the U-234 came out in the top of the cascade; it will now have to come off the highest LEU assay point in the cascade.

This problem called for the reconfiguration of the cascade utilizing an "overlap cascade" to keep more than 90 percent of the product in specification. The amount of product out-of-specification will be blended to bring it into specification.

All modifications to the cascade have either been completed or are in process. The majority of these modifications have been made in the X-326 Process Building, the location of HEU activities.

The third goal, putting equipment in standby in a safe manner, involved the identification of uranium deposits in the X-326 and recovering as much of it as possible. (see sidebar)

The following serve as members of the "HEU Crew:"

Daniel Adkins, Chemical Operations
Doug Arnett, Purchasing
Dale Bauer, Purchasing
E.V. Clarke Jr., Chemical Operations
Jack Crawford, HEU Program Manager
Donna D'Aquila, Nuclear Criticality Safety
Larry David, Construction Engineering
Ray Dever, Health Physics

Doug Fogel, Project Management
Mark Hasty, Safety Analysis
Mike Hawk, Waste Management
Wray Jordan, TSCA/RCRA Program Manager
Bob Kefgen, Applied Nuclear Technology
Bob Lykowski, Maintenance Engineering and Technical Support
Mike Milam, Department Head, X-326 Process Building
Billy Moore, UE Accounting
Dave Netzer, Operations Engineering
Jim Normand, Quality Programs
Bill Reep, Security
Dick Shelton, Systems Analysis
Paul Simpson, Enrichment Planning and Analysis
Emery Smith, Security
Paul Throgmorton, Construction Engineering
Bob Warren, Systems Analysis
Bruce Wilkinson, X-326 Process Building
Bob Winegar, Department Superintendent, Cascade Operations

New Employees

November 16

Cheri Anders, Rodger D. Belford, Donna M. Bender, David A. Conley, Michael E. Kelley, James J. Shelton, Sharon K. Stiversson, Peggy D. Ward, Glenn E. Freed, and Mark R. Rowe, Cascade Operations (D-810).

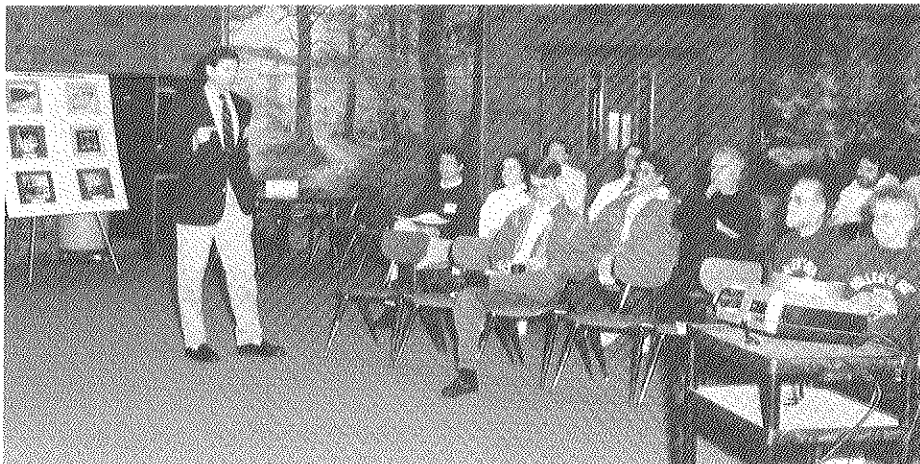
Dianne L. Burt, Purchasing (D-321).
James G. McCleery, Health Physics (D-160).
Steve Passen, Statistical Services (D-412).
Cynthia L. Slikko-Moore, UE Accounting (D-951).

December 1

Robin D. Halverson, Employment (D-024).
Mona C. Spurlin, UE Accounting (D-951).
Sharon K. McNelly, Employment (D-024).
Rebecca J. Tipton, ESH Analytical Services (D-550).
Beverly J. Thompson, Library and Distribution Services (D-351).

December 7

Howard J. Brown Jr. and Jon E. Ekvall, Instrument Utilities and Motor Shop (D-755).
Sundee G. Angel, Bruce E. Distel, and Richard D. Kalb, X-340 Complex Maintenance (D-720).
Gary R. Haynes, Instrument and Scale Shops (D-750).
Leonard A. Pinkerton, X-330, X-300, and Line Recorder Maintenance (D-735).
Mark D. Schultz, X-333 Maintenance (D-730).
George W. Smith, Quality Assurance (D-411).
Gloria A. Hayes, Environmental Restoration (D-105).
Arden L. Gill, Accounting (D-378).
Tamara L. Artis, Benefit Plans (D-026).



Dave Taylor, Division Manager of Environmental Restoration, discusses plant cleanup efforts at the Nov. 30 public meeting.

Plant conducts public meeting

Questions concerning environmental restoration projects at the plant were answered during a Nov. 30 public meeting conducted at the Pike County Vocational School.

More than 150 residents and plant employees attended the two-and-a-half-hour session which included presentations and a 45-minute question and answer period. The U.S. Department of Energy (DOE) Portsmouth Environmental Restoration Program Manager and Energy Systems Environmental Restoration and Waste Management officials discussed current projects.

The meeting presented facts on projects which have recently been completed as well as areas of concentration for next year. Methods for handling and storing hazardous wastes at the plant and initiatives that have been taken to minimize the generation of new

wastes were also detailed during the meeting.

Plant operations generate chemical, radioactive and non-chemical (sanitary) wastes which are disposed of, stored, or treated at specific locations on plant property.

The plant has been involved in a long-term environmental restoration program since the U.S. Department of Energy signed agreements with both the State of Ohio and the U.S. Environmental Protection Agency in 1989 to clean up areas of contamination. The principal contaminants are cleaning solvents that have reached the upper levels of soils and groundwater on plant site.

The purpose of the Environmental Restoration Program is to identify, characterize and correct any environmental damage at the plant arising from past operations and waste handling and disposal practices.

IRS offers tips to taxpayers

Act now to avoid an unexpected tax bill on Apr. 15, the Internal Revenue Service advises. A recent survey found that less than half of those polled were aware of the recent changes in payroll withholding.

Both employees and the unemployed need to check their withholding to avoid a big tax bill, and possible penalties, says IRS spokesperson Teri Dixon.

"The amount of tax withheld from your paycheck was reduced last March, but the tax rates were not changed," Dixon said. "As a result, some who normally get a refund may owe tax this year."

Ohioans who receive unemployment compensation face a similar problem. The benefits are taxable, but no tax is withheld.

Federal law requires taxpayers to pay in 90 percent of their tax liability during the year, either through withholding or estimated tax payments. Those who pay in less face a penalty.

"Check your withholding now," Dixon said. "If your withholding or estimated tax payments are less than required, you still have options."

Employees can give their employers a new Form W-4 to increase their withholding. Both employed and unemployed taxpayers can make an estimated tax payment by Jan. 15.

The forms and tax help are available in IRS offices or by calling 1-800-TAX-1040.

Service Milestones

January 1993

- 35 years — Alfred B. Mills Jr. and Robert O. Overley.
 30 years — Garland L. Boston.
 25 years — Ralph E. Wilcoxon.
 20 years — Herbert L. Blazer, Max T. Hanning Jr., Edwin R. Smalley, Earl D. Jordan, and William A. Tomblin Jr.
 15 years — Max W. Potter, Ken W. Hall, Stephen L. Hatcher, Judith A. Miller, Rebecca L. Tudor, Billy S. Moore, Ronald L. Cheatwood, Randy D. Cooper, Floyd E. Richardson, and James E. Nelson.
 10 years — Leesa M. Fogel.
 5 years — Frankie T. Dawkins, Paul D. Stone, and Richard L. Norman.

Employee demonstrators needed to participate in science program

Portsmouth's Science Demonstration program urgently needs current employees who are willing to serve as demonstrators. If you have experience as a demonstrator, or if you are interested in volunteering with an experienced demonstrator, the program needs your help. Bobby Fuhr, Organic Analytical Services, is the program's coordinator.

During the 1990-91 school year, six science demonstrations were given to 1,690 teachers and students. So far this year, there have been 21 requests for science demonstrations; 18 are still outstanding and need demonstrators. They are:

School Name	Requested Demonstration Date
Scioto County Schools	Mar. 26
Pikeon Elementary	Jan. 20 or Jan. 27
McArthur Elementary	January or February
Bainbridge Elementary	Jan. 29 or Apr. 23
Dry Run School	Any time
Jasper Elementary	Any Tuesday or Thursday
Glenwood High School	Jan. 18 or Mar. 8
Jackson Elementary	Any Thursday
Valley Elementary	Any Friday in March
Stockdale Elementary	Any day after Jan. 1
Rosemount Elementary	April
Union Elementary	Jan. 14
Minford Middle School	Mar. 11
Jackson High School	Any time
Portsmouth West	Any time
Scioto Elementary	Any Wednesday
Highland Elementary	Jan. 22
Unioto High School	Jan. 5, 6, or 7

Please contact Fuhr at ext. 5789 or at MS 2233 if you can assist this community-interest educational program. Those who have been science demonstrators in the past are encouraged to continue participation in this program.

Recreation Corner

The schedule for the 1992 Bowling Tournaments is as follows:

- Scotch Doubles — Jan. 12
 Men's Team — Jan. 16
 Women's Team — Jan. 23

These events are open to all employees, retirees, and spouses. Lane fees are free, but there will be a nominal entry fee which will all be paid in prizes. All events will take place at Sunset Lanes in Portsmouth. Starting times will be on a first-paid basis. For entry forms or additional information, please contact:

- Dan Gash, Ext. 6478, MS 5360
 Walt Johnson, Ext. 6488, MS 4003
 John Gedeon, Ext. 3878, MS 8245

Smith maintains registration

In 1972, Jim Smith took one of the first Emergency Medical Service (EMS) courses given in southern Ohio. He also registered, along with more than 10,000 others from across the United States, to become a member of the National Registry of Emergency Medical Technicians (NREMT). Twenty years later, only 159 of the charter members have maintained their registration, and Smith is one of them.

The National Registry is the national certification agency for Emergency Medical Technicians. NREMT is a non-profit, non-governmental agency, led by a Board of Directors comprised of the leading EMS agencies in the United States. Since its inception in 1970, NREMT has registered more than 385,000 EMTs in all 50 states.

A fireman and EMT at the Portsmouth plant since 1974, Smith recently received a certificate of recognition in honor of his anniversary. In addition to his years of service at the plant, he previously served with the South Webster Bloom Township Fire Department for 17 years and with its ambulance service for 10.

In order to maintain his NREMT registration, Smith is required every two years to take a 27-hour refresher course, successfully complete a local written and practical examination, and then complete 48 more hours of continuing education. He also must take CPR training annually to maintain his NREMT certification.

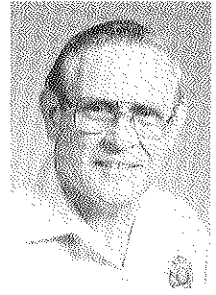
Many EMTs drop out of the profession for a number of reasons: they cannot handle the stress of dealing with the victims, they suffer career-ending injuries while lifting and moving patients, or they may seek higher paying jobs. Smith credits his work and mandatory training as a fireman and

Victims offer thanks

As reported in the August 1992 issue of Energy Systems at Portsmouth, plant employees donated \$1,575 to members of the Huntington Township Volunteer Fire Department for victims of the Massieville flood which occurred on July 27. Also, three vanloads of canned goods and clothing were distributed through the Huntington Fire Department Ladies' Auxiliary which worked with the American Red Cross and the Salvation Army.

Ladies' Auxiliary President Mary E. Hughes was responsible for distribution. She enjoyed the experience. "I...heard some of the stories; [it] was so interesting. Just imagine what these people went through. It also took some of them a while to get back to their homes. Thank you so much," Hughes said in a recent letter to Energy Systems employees. "You made some people very happy, and they were able to get a few things they could have not gotten without your help."

Hughes included with her letter several notes of personal thanks from some of the assistance recipients.



Smith

EMT at the plant for his ability to maintain his registration.

His years as an EMT have brought him numerous experiences, but he most fondly remembers meeting up with a young boy who had once been badly burned. Smith and fellow EMTs had responded to the ambulance call. They worked with the boy all the way to the hospital where the child was later subjected to rehabilitation and plastic surgery and was not expected to recover.

However, the little boy lived, and five years later, Smith walked into a Portsmouth restaurant to find the little boy dining with his parents. They reintroduced Smith to their son.

"It was one of the greatest feelings to look on someone that you had a part in saving his life," Smith said.

New Arrivals

Son, Paul Matthew III, December 3, to Terry and Sara Hale. Sara works in the Instrumentation and Computer Technology Department.

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