



LAGNIAPPE

John C. Stennis Space Center

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www.nasa.gov/centers/stennis

June 2010

New SSC associate director named

NASA announced Ken Human is the associate director of NASA's John C. Stennis Space Center in south Mississippi.



As associate director, Human will support Stennis Director Patrick Schuermann and Deputy Director Rick Gilbrech in managing Stennis.

Most recently, Human served as the deputy manager of the External Integration Office at NASA's Johnson Space Center in Houston, supporting the International Space Station Program. Human began his NASA career at Stennis in 1978 and served as an attorney advisor, acting chief counsel and chief counsel.

Stennis aids oil spill effort

With national attention focused on the massive oil spill in the Gulf of Mexico, the Applied Science and Technology Project Office (ASTPO) at John C. Stennis Space Center is helping formulate NASA's response to the crisis, monitoring coastal ecosystems for damage caused by the oil, and assisting other agencies. ASTPO Chief Anne Peek, serving as an agency-level point of contact, keeps NASA officials up-to-date on the oil spill response by Stennis and its resident agencies.

ASTPO manages the agency's Gulf of Mexico Initiative. Since 2009, the initiative has provided \$14 million to support 300 scientists conducting 35 research projects in the Gulf region. ASTPO worked with these

experts and first responders around the Gulf to ensure their insights helped shape NASA's response to the crisis. To date, NASA has used four satellites and two aircraft to gather vital data on the oil slick and coastal ecosystems. The satellites continue to track and monitor the extent of the oil spill on a daily basis. Additional airborne flights to observe the health of the coastal ecosystems are planned for late June.

ASTPO is also conducting 15 research projects in the Gulf region. These projects monitor sensitive ecosystems, such as coastal marshes and barrier islands, or environmental parameters, such as water quality. So far, the projects study sites have not been affected by the oil spill, but the

See **OIL SPILL**, page 2



Atlantis completes final scheduled mission

The crew of space shuttle Atlantis completed their STS-132 mission to the International Space Station with a successful return to Earth early on May 26. Atlantis launched May 14. During the last scheduled flight for shuttle Atlantis, crew members delivered the Russian Rassvet Mini-Research Module-1, only the second Russian module ever to be carried into space by a space shuttle. Atlantis also carried the first Russian module into space and was the first shuttle to dock to the Russian Space Station Mir. It has traveled to the ISS 11 times. Atlantis will be prepared to serve as a backup craft should an emergency arise during the final two scheduled shuttle missions.

From the desk of

Ron Magee

Emergency Director
Stennis Center Operations



In this issue of Lagniappe, you will find a hurricane guide that has been developed as a handy reference for each of our employees to use if a hurricane threatens our area again.

It is important that each of you develops your own hurricane plans to keep yourself and your loved ones safe. And, as in any family, share your plans with your supervisors and co-workers so people won't be worried about you. In any emergency situation, communication is vital, and we all have our part to serve in this important task.

Plans are under way to deploy a new emergency notification system at each NASA center, but until that occurs, get a contact number for your particular company or agency and take it with you when you leave the area.

We need to hear from you following an evacuation to make sure you are okay and to see if you need any assistance!

In addition to your personal safety, we also want to emphasize the area of "business continuity" this year. Do you have vital records that have not been digitized or copied and stored in a secondary location? Do you have your work areas free and clear of debris that can become a danger to our buildings or personnel if picked up by a rushing wind? Do you maintain your vehicles and generators at a 90 percent fuel level during this time of year? Do you have people identified at remote locations to pick up any vital functions that cannot be performed here at Stennis if the center is closed due to a hurricane?

There is so much to think about when it comes to hurricane preparation. As the old adage goes, "Let's plan for the worst and hope for the best" as we approach this hurricane season. Please don't put off your hurricane planning one more day for the sake of yourself, your family, and the work that goes on here at Stennis every day.

Ronald Magee

OIL SPILL

Continued from page 1

sites in the Mississippi barrier islands and the Louisiana coastal marshes are increasingly threatened.

ASTPO is also helping other organizations respond to the crisis. They provided scientific instruments to the Naval Research Laboratory to enhance the ability to detect the oil slick using satellite imagery and to chemically "fingerprint" the oil.

ASTPO is also providing software to the U.S. Geological Survey's National Wetlands Research Center and the University of Southern Mississippi's Gulf Coast Research Laboratory to augment their capacity to analyze satellite imagery and identify the impact of the oil on marshes and barrier islands.



Bay St. Louis mayor, officials visit Stennis Space Center

NASA's John C. Stennis Space Center Director Patrick Scheuermann (center) hosted officials from nearby Bay St. Louis for a May 6 tour of the rocket engine testing site. City officials toured the Pratt & Whitney Rocketdyne engine assembly facility, the Rolls Royce outdoor test site and the Stennis engine test complex during their visit. They also viewed the site of INFINITY Science Center under construction near the Hancock County Welcome Center on Interstate 10. Tour participants included (l to r): city council members Ray Kidd (Ward 6) and Joey Boudin (Ward 5), Mayor Les Fillingame and city council member Bobby Compretta (Ward 4). Stennis Space Center was established in the 1960s to test the huge engines of the Saturn V Moon rockets. It also tested every main engine for more than 130 space shuttle missions.

FULFILLING NASA'S EXPLORATION MISSION

Stennis prepares for new engine tests

Work continues at John C. Stennis Space Center to test the next generation of rocket engines.

Construction is progressing on the A-3 Test Stand, which will allow operators to test engines at simulated altitudes of up to 100,000 feet, a critical step for engines that will carry humans beyond low-Earth orbit once more. Work on the high-pressure water system for the stand also is under way.

Meanwhile, some 90 semi-trucks are delivering sections of the large crane needed for placement of the stand's test cell and diffuser. Assembly of the crane is expected to be completed this summer.

At the nearby A-1 and A-2 test stands, Stennis employees are continuing to prepare for testing of the next-generation J-2X rocket engine in development. The J-2X is designed as an engine that can carry humans once again into deep space.

Early tests for the J-2X power pack were performed on the A-1 Test Stand, providing important data for engineers. Additional J-2X power pack tests are scheduled to begin in February 2011 on the A-1 stand.

On the A-2 stand, testing of the full J-2X engine is scheduled to begin in January 2011.



(Above photo) Sections of the large crane needed for construction of the A-3 Test Stand line an access road within the A Test Complex at Stennis Space Center. Assembly of the crane is scheduled to be completed later this summer.



(Center photo) Work on the high-pressure industrial water system continues at the A-3 Test Stand, which will allow operators to perform simulated high altitude testing on next-generation rocket engines.

(Bottom photo) Construction of the A-3 Test Stand machine shop moves ahead.



2010 launch schedule

STS-133
Shuttle Discovery
Target: Sept. 16

STS-134
Shuttle Endeavour
Target: November

Orbital Sciences
Taurus rocket
Target: Nov. 22
Site: Vandenberg AFB

2010 NASA Honor Awards

John C. Stennis Space Center Director Patrick Scheuermann and NASA Chief of Staff David Radzanowski presented annual NASA Honor Awards during an onsite ceremony June 9.

One Stennis employee received NASA's Exceptional Service Medal. The prestigious medal is awarded for significant, sustained performance characterized by unusual initiative or creative ability that clearly demonstrates substantial improvements or contributions in engineering, aeronautics, space flight, administration, support or space-related endeavors that contribute to NASA's mission.

Marina L.

Benigno, director of the Stennis Center Operations Directorate, received an Exceptional Service Medal for a distinguished federal service career that exceeds 25 years and spans numerous positions at multiple NASA facilities. Benigno has served in various capacities since arriving at Stennis in 1989 and has led several crucial activities. She facilitated the operational return of Stennis following Hurricane Katrina and ensured the completion of repair and asset protection projects totaling \$200 million. In her current role, Benigno manages efficient, sitewide service operations, including security, logistics, fire, environmental management, information technology and master planning.



Three Stennis employees received NASA's Exceptional Achievement Medal. The prestigious medal recognizes a significant, specific accomplishment or contribution that improves operations, efficiency, service, science or technology contributing to the NASA mission.

Gary L. Benton, project manager for J-2X engine testing for the Stennis Project Directorate, received

an Exceptional Achievement Medal for "exceptional project management leadership."

In his role at Stennis, Benton manages the engine test requirements for the A-1, A-2 and A-3 test stands, as well as the requirements, designs, construction and activation of the A-1 and A-2 test stands in support of the J-2X engine. Through his leadership, Stennis testing has provided critical data for the development of the J-2X engine. Future sea-level and simulated high-altitude testing at Stennis are essential steps to full flight certification of the engine.



Craig A.

Chandler, test director of the E-2 and E-3 test facilities for the Stennis Engineering and Test Directorate, received an Exceptional Achievement Medal for strong management skills and technical leadership exhibited in critical projects. He successfully executed two assignments critical to construction of the A-3 Test Stand, overcoming unique challenges to deliver data that allowed design engineers to identify and implement facility modifications. Chandler's leadership in testing of the chemical steam generators to be used on the A-3 stand proved invaluable and led his team to progress faster than expected and to provide valuable insights into operation of the generators.



Robert B.

Ross, deputy project manager for the Stennis Project Directorate, received an Exceptional Achievement Medal for his professional initiative and leadership of the A-3 Test Stand



construction project. His efforts have included expert implementation of the Earned Value Management principles and structured project management processes. His efforts were critical to the identification of cost and schedule concerns early in the A-3 project, allowing for sound decisions regarding the future of the A-3 test facility. His continued implementation of EVM principles has further enabled improvements in critical task performance, resulting in significant cost and schedule savings.

Two Stennis employees received NASA's Exceptional Public Service Medal. It is awarded to persons who are not government employees but made exceptional contributions to the mission of NASA.

Timothy D.

Jarrell, an employee with the Jacobs Technology Facility Operating Services Contract group and shop lead for the Stennis test complex welding crew, received an Exceptional Public Service Medal for his excellent work spanning 35 years. One of the busiest and most demanding shops at Stennis, the weld shop is responsible for projects that must be executed with an exceptionally high degree of competence in order to meet rigorous customer schedules. Jarrell ensures the accomplishment of every task by continually motivating his crew to work efficiently, safely and with pride. He consistently inspires a high morale among his team and has demonstrated outstanding management in numerous critical projects supporting NASA's mission.



Anthony J. Lisotta, prior CSC Inc. program manager for the Stennis Space Center Information Technology Services contract, received an Exceptional Public Service Medal for his contributions in support of NASA and Stennis resident agencies.

His leadership inspired innovation and creative thinking, which directly benefited NASA missions. Contract achievements include new Web technologies, more than 1 million labor hours without a lost-time incident and implementation of the Voluntary Protection Programs Star certification. Through exemplary service, Lisotta has sustained exceptional performance and reinforced NASA's culture of collaboration and cooperation.



Several additional Stennis Space Center individuals and groups were recognized for service and contributions during the NASA Honor Awards ceremony. These honors included:

NASA Space Flight Awareness Leadership Award
Ronald D. Rigney

J. Harry Guin Outstanding Leadership Award
David P. Brannon

Peer Recognition Award
Susan Dupuis
Amy Rice

Length of Service Awards

35 years
Rosalind M. Baker

30 years
Clyde Dease Jr.
Charles M. Fallo
Joann M. Larson
Rena L. Perwien
Michelle M. Stracener

25 years
Andrew "Bo" Clarke
Pamela G. Covington
Jason F. Edge
Mark V. Glorioso
Randolph R. Holland
Thomas G. Nicolaides
Wendall Pigott
Kevin P. Power

James E. Ryan
Myron L. Webb

Group Achievement Awards

A-3 Risk Mitigation Team

NASA
Henry Bakker
Gregory Carmouche
Craig Chandler
Donna Dubuisson
Jorge Fernando Figueroa
Jared Grover
Andrew Guymon
Wendy Holladay
Melissa Huggins
Bridget Jones
Justin Junell
Casey Kirchner
Christopher Mulkey
Raymond Nichols
Stephen Rawls
Amy Rice
Barry Robinson
James Ryan
Dale Sewell
Charles Thurman

Jacobs NASA Test Operations Group
Fred Abell
Gary Bennett
Byron Bordelon
Dennis Butts
Cheley Carpenter
Sam Clay
Kent Conn
Leonard Craft
Susan Fendley

Keith Fulton
Vaughn Gay
John Giveans
Patrick Guidry
Brienne Guillot
Shawn Herrin
Darwin Hilsher
Travis Kennedy
Dustan Ladner
Lisa Ladner
Lester Langford
Clifford Lee
Steven Lossett
Megan Martinez
Bruce Matthews
Anthony McDuffie
Todd Metzler
Robert Morgan
Binh Nguyen
Curtis Olive
Jerry Quinn
Pike Saunders
John Searles
R.B. Shaw
Kanaly Slade
Michael Slade
Matt Steed
Paul Stevens
Glenn Varner
Terry Wactor
Perry Waller
Ben Weisel
Jim Williams
Tom Wolfe

Jacobs Facility Operating Services Contract
Floyd Griffith

See **AWARDS**, Page 6



Group Achievement Award
Shuttle Flow Control Valve Team

AWARDS

Continued from Page 5

Heavy Equipment Shop
Machine Shop
Paint Shop
Welding Shop

**Stennis Data Center
Disaster Recovery System
Implementation Team**

NASA
Robert Brasher (JSC)
Scot Gressaffa

Lockheed Martin IS & GS
James Allgood

**Science Applications
International Corp.**
Artie Johnston
Harold Ridaught

CSC Inc.
Michael Bounds
David Oakes
Lamar Nicholson
Chris Mitros

MEI Technologies Inc.
John Tornabene (JSC)

**Shuttle Flow
Control Valve Team**

NASA
Daniel Allgood
Daniel Brady
Gregory Carmouche
David Coote



Group Achievement Award – A-3 Risk Mitigation Team

Jonathan Dickey
Charles Fallo
Robert Gargiulo
Kim Guin
Andrew Guymon
Bartt Hebert
James Huk
Thomas Jacks
Justin Junell
David Lorance
Jeffrey W. Lott
Millie Lucco
Thomas Meredith
Brad Messer
Elizabeth Messer
Christopher Mulkey
Deborah Norton
Rosa Obregon
Carlos Ortiz-Longo (JSC)
Vincent Pachel
Amy Rice
Ronald Rigney

Eric Ross
Harry Ryan
Connie Schuler
Dwayne Stockstill
Maury Vander
Timothy White
Burnley Wigley

Patriot Technology
Erica Olson

Applied Geo Technologies
Measurements, Standards
& Calibration Lab

**Undergraduate Student
Research Program**
Justin Milan

**Jacobs Facility Operating
Services Contract**
Component Engineering
Component Processing
Engineering Shop
Machine Shop
Procurement Shop
Test Operations
Welding Shop

**Jacobs NASA Test
Operations Group**
Configuration Management
Engineering and Drafting
High-Pressure Gas
Planning Shop
Project Management
Test Operations

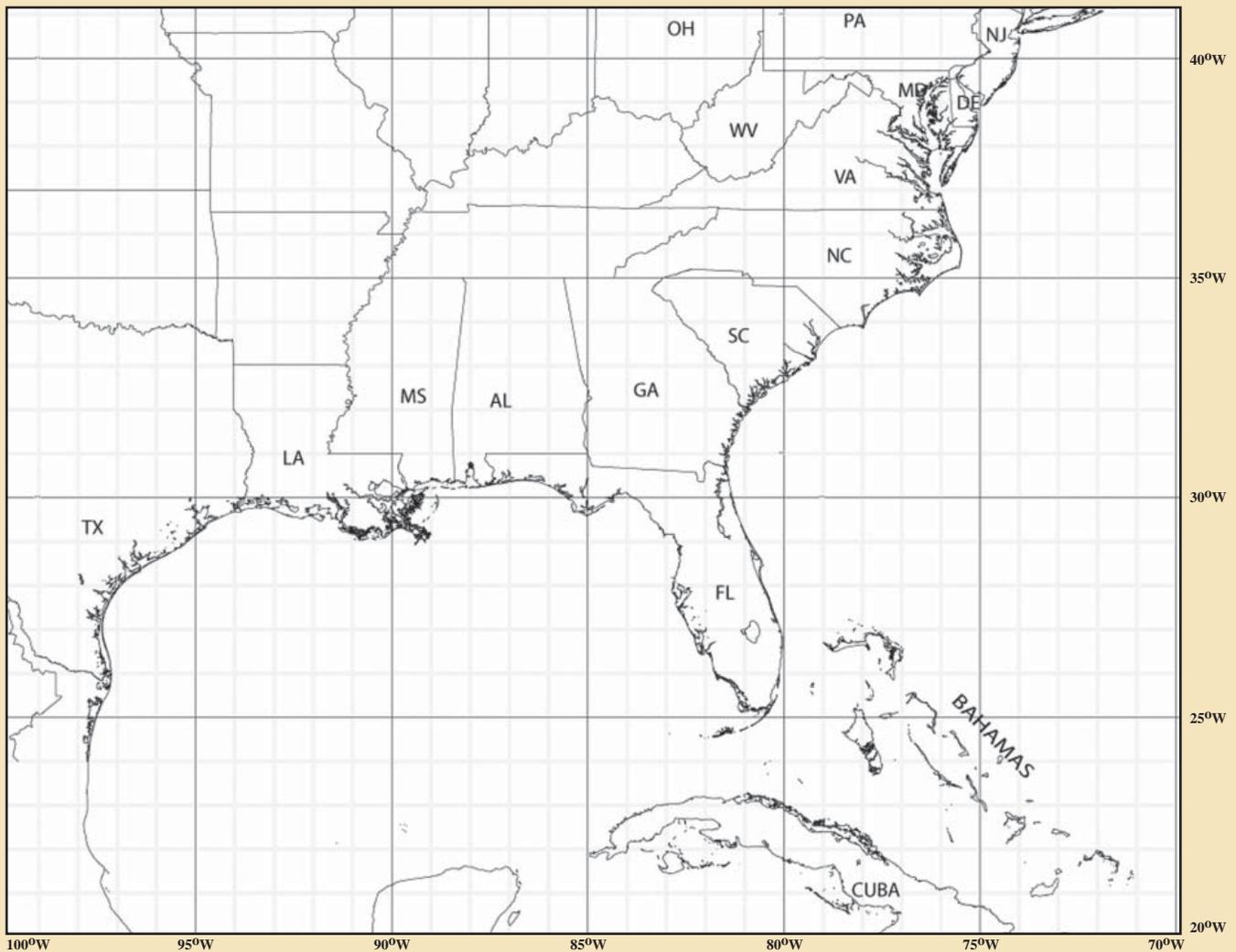
University of Mississippi
Jamie Ellis
Haynes Haselmaier



Group Achievement Award – Stennis Data Center Disaster Recovery System Implementation Team

Hurricane Guide

As in previous years, Stennis is partnering with the American Red Cross during the 2010 storm season to maximize effectiveness of the facility and keep it in line with guidelines. Stennis is not equipped to be a primary shelter and only becomes a shelter a few hours before the impact of any storm.

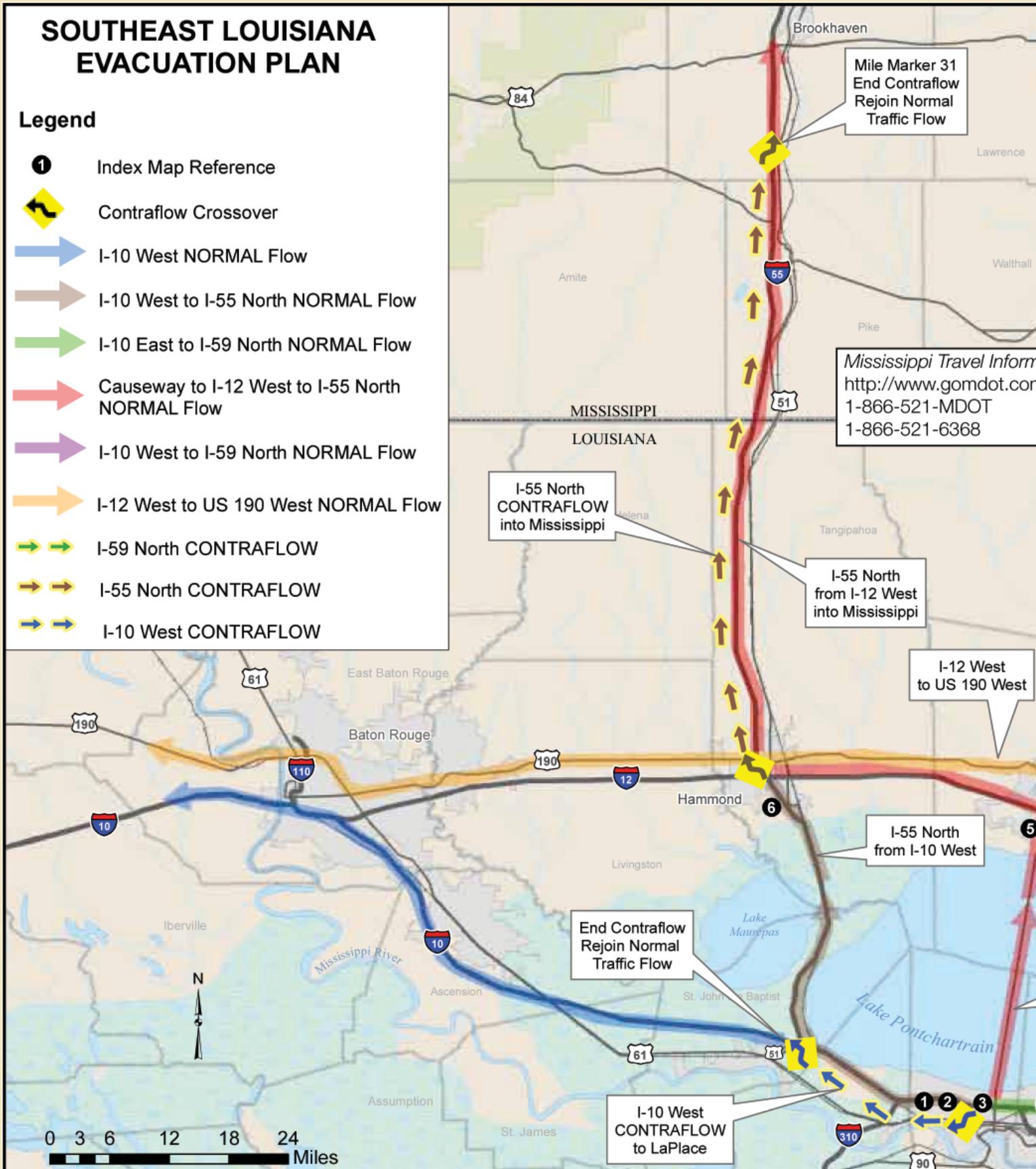


Emergency supply kit checklist

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Flashlight | <input type="checkbox"/> Sanitary supplies (toothbrush, shampoo, soap, rubbing alcohol, toilet paper, cleanser, bleach, sponge) | <input type="checkbox"/> Rice and pastas | <input type="checkbox"/> Candles |
| <input type="checkbox"/> Tissues | <input type="checkbox"/> Water (1 gallon per person a day) | <input type="checkbox"/> Peanut butter | <input type="checkbox"/> Matches |
| <input type="checkbox"/> Battery-operated radio | <input type="checkbox"/> Drinks/juices | <input type="checkbox"/> Crackers, soups | <input type="checkbox"/> Clothing |
| <input type="checkbox"/> Batteries | <input type="checkbox"/> Nuts | <input type="checkbox"/> Dried beans | <input type="checkbox"/> Portable stove and fuel |
| <input type="checkbox"/> Pencils | | <input type="checkbox"/> Canned goods | <input type="checkbox"/> Cooking utensils |
| <input type="checkbox"/> Pocket knife | | <input type="checkbox"/> Can opener | <input type="checkbox"/> Plastic dishes, silverware |
| <input type="checkbox"/> Garbage bags | | <input type="checkbox"/> First-aid kit/handbook | <input type="checkbox"/> Aluminum foil |
| <input type="checkbox"/> Nonperishable food | | <input type="checkbox"/> Towels | |
| <input type="checkbox"/> Medicines | | <input type="checkbox"/> Blankets | |

(List not meant to be all-inclusive but offers suggestions for consideration)

2010 Louisiana-Mississippi



Mississippi contraflow plan



In an effort to assist Louisiana in the event of a mandatory hurricane evacuation, the Mississippi Department of Transportation will implement contraflow (lane reversal) for I-59 and I-55 when requested by Louisiana and approved by the governor of Mississippi.

- The decision to contraflow is not automatic and will only be used when absolutely necessary. Citizens should not delay evacuation plans in anticipation of contraflow.
- I-59 contraflow operations will begin in Louisiana, extend into Mississippi and end at mile marker 55, four miles south of U.S. 98 and about 34 miles farther than in previous years.
- I-55 contraflow operations will begin in Louisiana, extend into Mississippi and end near Brookhaven.
- All exits within the contraflowed sections of the interstate highways will remain open as traffic conditions allow. Officers will be present to assist with traffic control.
- Shoulders of both Interstates 59 and 55 should be kept clear for emergency vehicles. To stop, motorists should use the next available exit.
- I-10 East will be closed when contraflow begins. Officials say they want individuals evacuating to the north, not to the east.
- Tune to public broadcasting radio stations for emergency information and road conditions.

Hurricane strength

Category One: Winds 74-95 mph. Storm surge 4-5 feet.

Category Two: Winds 96-110 mph. Storm surge 6-8 feet.

Category Three: Winds 111-130 mph. Storm surge 9-12 feet.

Category Four: Winds 131-155 mph. Storm surge 13-18 feet.

Category Five: Winds greater than 155 mph. Storm surge greater than 18 feet.

National resource information

| | |
|---|--|
| American Red Cross | 866-GET-INFO (438-4636) |
| | www.redcross.org |
| Federal Emergency Management Agency (FEMA)..... | 800-621-FEMA(3362) |
| | www.fema.gov |
| National Oceanic and Atmospheric Administration (NOAA)..... | www.noaa.gov |
| NOAA National Hurricane Center | www.nhc.noaa.gov |
| NOAA National Weather Service | www.nws.noaa.gov |
| National Weather Service Forecast Office | 504-522-7330 |
| NOAAWatch - NOAA's All-Hazard Monitor..... | www.noaawatch.gov |
| U.S. Department of Homeland Security | www.dhs.gov |

Mississippi resource information

| | |
|---|---|
| Mississippi Emergency Management Agency (www.msema.org) | 601-933-6362 |
| | (24 hrs) 800-222-MEMA(6362) |
| Mississippi Department of Transportation (www.GoMDOT.com) | 601-359-7001 |
| | (activated only during a disaster) 866-521-MDOT(6368) |
| Mississippi Highway Safety Patrol (www.dps.state.ms.us) | 601-987-1212 (*hp from any cell) |
| Mississippi Board of Animal Health (www.mbah.state.ms.us) | 601-359-1170 |
| Governor's Office (www.governor.state.ms.us) | 877-405-0733 or 601-359-3150 |
| Mississippi Insurance Department (www.mid.state.ms.us) | 800-562-2957 |
| U.S. Coast Guard (Sector Mobile) | 251-441-6213 |
| Mississippi Power (www.mississippipower.com) | 800-532-1502 |
| Coast Electric Power (www.coastepa.com) | 800-624-3348 |

Louisiana resource information

| | |
|---|---|
| Office of Homeland Security and Preparedness (www.ohsep.louisiana.gov) | 800-256-7036 or 225-925-7500 |
| Louisiana Department of Transportation (www.dotd.state.la.us) | 225-379-1232 |
| Louisiana State University Hurricane Center (hurricane.lsu.edu) | 225-578-6422 |
| Louisiana State Police (www.lsp.org) | 225-925-6325 (*LSP from any cell phone) |
| Louisiana State Police Road Closure Hotline | 800-469-4828 |
| Louisiana Governor's Office (www.gov.state.la.us) | 866-366-1121 |
| Louisiana Department of Insurance (www.ldi.la.gov) | 800-259-5300 or 225-342-5900 |
| U.S. Coast Guard (Sector New Orleans) | 504-846-6160 |
| Cleco Corporation (www.cleco.com) | 800-622-6537 |
| Entergy (www.entropy-louisiana.com) | 800-ENTERGY (368-3749) |
| | Power outages: 800-9OUTAGE (968-8243) |
| Washington-St. Tammany Electric Cooperative (www.wste.coop) | 985-643-6612 |
| | Power outages: 866-672-9773 |

Lockheed Martin

Philip Kopfinger (MSFC)
High-Speed Data Acquisition
(MAF)
Propulsion/Stress Engineering
(MAF)
Quality Assurance (MAF)
Test Operations (MAF)

CSC Inc.

Technology Operations Office

Special Recognition Awards**NASA Thermal & Fluids****Workshop Steering
Committee**

Harry Ryan

NASA Explorer Schools

Joy Smith
Katie Wallace

SMA Technical Excellence**Program Level I Team**

Charles Fallo
Robert Gargiulo
David Lorance
Doyle Pierce
Michael Rewis
Timothy White

**NASA Images Web-based
Collection Team**

Paul Foerman
David Walters

Extended TDY Video Team

Rebecca Strecker

NASA Conference Team

Pamela Covington
Anita Douglas
Amy Grose
Christy Ladner
Edward Toomey
Mary Whitehead

HR University Team

Anita Douglas

**UG Student Research Project
Management Team**

Joy Smith

**Space Shuttle Human Capi-
tal Working Group**

Cabrina Bell
Dorsie Jones

NASA honors Stennis employees for flight safety



Employees of John C. Stennis Space Center and the Defense Contract Management Agency recently were honored by NASA's Space Flight Awareness program for contributions to flight safety. The awards were presented during activities related to the launch of space shuttle Discovery on the STS-132 mission May 14. Stennis Director Patrick Scheuermann stands with recipients (l to r): Chuck Heim (NASA); Barry Robinson (NASA and previous SFA recipient); Melissa Huggins (NASA); Andy McClendon (Pratt & Whitney Rocketdyne); Scheuermann; Rodney Wilkinson (Jacobs Technology NASA Test Operations Group); Sheilah Ware (Jacobs Technology Facility Operating Services Contract Group); Andy Kuhn (PWR); Glen Parker (Jacobs FOSC); Rosa Obregon (NASA); Jeff Lott (NASA); Gary Hess (DCMA); and Chip Smith (Jacobs NTOG).



2009 Astronaut candidate class visits Stennis

Stennis Space Center Director Patrick Scheuermann (seated, center) met with members of NASA's 2009 astronaut candidate class during their visit to the rocket engine test facility June 7. Astronaut candidates received briefings on work under way at Stennis, including rocket engine test activities and Applied Science initiatives. They also toured Stennis test facilities and the Pratt & Whitney Rocketdyne engine assembly building. The class includes 14 astronaut candidates. Since the selection of the first astronaut class in 1959, thousands of applications for the intensive program have been received, but fewer than 350 people have been selected as candidates.

Paragon achieves 5-year safety record

On June 8, Paragon Systems Inc. officials at NASA's John C. Stennis Space Center, the nation's premier rocket engine testing facility, celebrated five years without a single lost-time injury among its 66 employees.

"In my opinion, this achievement is a direct result of Project Manager Bill Turner's and Deputy Project Manager Greg Garrett's leadership," Stennis Chief of Center Security David Del Santo said. "They identified that there was a safety problem; they made corrections to their program; and, five years later, they have an enviable safety record that all Paragon employees can be proud of."

Just weeks before Hurricane Katrina slammed the Gulf Coast in August 2005, Paragon recorded a lost-time injury at Stennis that would prove to be its last to date.

Turner acknowledged the company was having numerous lost-time injuries prior to June 2005, primarily

related to physical agility. In response, company officials launched a strong education campaign for employees. They also examined safety requirements related to physical agility. Working with the Paragon Contracting Officer Gerald Norris and Technical Representative Van Ward, requirements were modified from more general tests to fit the realistic tasks security personnel may be called on to perform, such as pull-

ing a person from a burning facility or vehicle.

The result of the two-pronged safety effort by Paragon officials is shown in the numbers – or lack thereof. "This is a significant achievement," Turner emphasized. "Everyone is very excited."

Paragon has provided security at Stennis since November 2002.



Jacobs contributes to charity

Members of the Jacobs Technology Leadership Development Program group at Stennis Space Center present a check for \$5,000 to Gaits to Success during a May 5 ceremony. The funds will be used to purchase equipment and supplies for the Kiln charity, which uses therapeutic horseback riding as an approach to help people with mental, physical, emotional, and learning disabilities. The LDP group also spent the day helping to complete a new classroom for the organization. LDP members involved in the recent charity effort included employees with the Jacobs' Facility Operating Services Contract group and NASA Test Operations Group. Participants in the recent presentation ceremony included LDP members, mentors and Gaits employees (l to r): Laurie Walters, Rick Moriyama, Gary Mosher, Sandra Cuevas, Carolyn Rhodes, Jeannie Roberts, Donna Grimsley, Larry Bramlitt, Todd Gillis and Ben Weisel.



Stennis observes Asian-Pacific American Heritage Month

Amy Eisin (right) of the Naval Oceanographic Office at Stennis Space Center receives her name written in Chinese characters as part of a calligraphy exhibit at the rocket engine testing facility on May 25. Various displays and exhibits were available to Stennis employees in recognition of Asian-Pacific American Heritage Month, which was observed throughout May. The Stennis event was sponsored by the Stennis Diversity Council. Displays highlighted mementos, keepsakes, souvenirs, photographs, artifacts, ethnic costumes and music related to Asian-Pacific culture. Ancestors of today's Asian-Pacific Americans hail from nearly 50 countries.

Travis assumes new chief technologist role at Stennis

Ramona Travis, chief of the Stennis Innovative Partnerships Program, has been named chief technologist for the rocket engine testing facility as part of NASA's new technology investment strategy.



entire new industries. To support the work, Braun asked each NASA center to name a chief technologist.

"I look forward to working with center leadership, our innovative employees, and our many partners and stakeholders as we embark on this new direction," Travis said.

In her new role, Travis will serve as the principal adviser on centerwide technology development and leveraging and as the center "change agent," particularly regarding the workforce's capacity to innovate. She will serve as a member of the agency's Center Technology Council and support center and agency technology roadmapping. She also will be the point of contact for the NASA Center Innovation Fund, which provides support to NASA innovators in the early stages of formulating new technologies and processes.

Travis also will serve as the focal point for Space Technology Research Fellowships and lead technology transfer, the Small Business Innovation Research/Small Business Technology Transfer and commercialization opportunities across the center.

Earlier this year, NASA Administrator Charles Bolden named Robert Braun as the space agency's chief technologist. A key responsibility of the position is to lead NASA's new initiative to target technologies that could be transformational in their ability to improve the capability, reduce the cost, and expand the reach of future human and robotic missions to space.

In the next decade, NASA will increase support for research in advanced concepts and critical enabling technologies, such as advanced lightweight structures and materials, advanced propulsion, power generation, energy storage and technologies to make access to space more economical. This program will generate spinoff technologies and potentially

Stennis featured at 2 conferences

Stennis Space Center research into a new high-tech concept of systems monitoring for the American Space Program was highlighted in a pair of recent conferences.

Fernando Figueroa, an aerospace technologist for the Stennis Innovative Partnerships Program, served as technical program co-chair for the 2010 American Institute of Aeronautics and Astronautics Conference in April. Figueroa, who is leading the effort to develop the Integrated System Health Management concept at Stennis, was able to create a new presentation section on the work for the conference.

An AIAA newsletter noted the new ISHM topic area, which featured 30 papers, "proved to be very popular and will make a return next year."

The following week, Figueroa presented an update on work at Stennis during an ISHM forum sponsored by NASA and Lockheed Martin Corp.

"It was pretty significant to have a NASA person serve as co-chair of the AIAA conference," Figueroa said. "And it was a step forward to have a technical area focused on ISHM. Our involvement in both conferences show that what we're doing here has good visibility and that we're considered good contributors."

ISHM is a high-tech, highly integrative means of monitoring various systems, such as a test stand or spacecraft. The concept is designed to save time and money while providing an integrated awareness of the health of the system.

Business award nominations sought

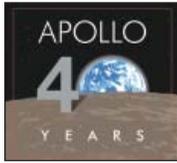
As part of the third annual NASA Small Business Symposium & Awards, the NASA Office of Small Business Programs is accepting nominations for 2010. Any source (government, prime contractors or subcontractors) may submit nominations. Self-nominations from contractors also will be accepted. Self-nominators should coordinate with others so only one nomination per contractor is submitted. Nominations are due July 6.

Center winners become eligible for agency awards. Only Stennis contractors are eligible for the Stennis award.

The awards ceremony will be held in November in Washington, D.C. At this event, the NASA Office of Small Business Programs will present awards, on both the center and agency levels, to the Large Business Prime Contractor of the Year, Small Business Prime Contractor of the Year, and Small Business Subcontractor of the Year. Stennis is in the process of identifying its center-level winners in each category.

Nominations must be submitted to Michelle Stracener via e-mail at m.stracener@nasa.gov. For more details, visit: <http://osbp.nasa.gov/award.html>.

Importance of Mississippi facility grows



Editor's Note: John C. Stennis Space Center has played a pivotal role in the success of the nation's space program. This month, Lagniappe looks back on an important moment in the center's history.

Long before the first space shuttle main engine test, NASA realized the importance of its south Mississippi facility. Thirty-six years ago, on June 14, 1974, then-NASA Administrator Dr. James C. Fletcher announced that the Mississippi Test Facility had been upgraded to the National Space Technology Laboratories (NSTL), a permanent NASA field installation reporting directly to NASA Headquarters in Washington, D.C.

The facility's new status reflected its growing importance. "NSTL has developed into an installation where highly qualified capabilities exist for conducting remote sensing, environmental and related research and technical activities," Fletcher said. "These capabilities have been enhanced in recent years by the location at NSTL of research and technical activities of several other government agencies. The success of this experiment in the collocation of these mutually supporting activities has led me to decide that NSTL will have a permanent role in NASA's space applications and technology programs."

Created by NASA in 1961, the \$350 million Mississippi facility was first used for static testing of the large Saturn V rocket stages used in the Apollo Program.

As the Apollo Program drew to a close, NASA and several other agencies moved a variety of research and technical activities – primarily related to earth resources and the environment – into the modern facilities available at the site. NASA activities included developmental test-



Eleven months after the Mississippi Test Facility became the National Space Technology Laboratories, the first static test-firing of a space shuttle main engine test was conducted on May 19, 1975.

ing of the main engine for the space shuttle and the Earth Resources Laboratory. Other agencies located at NSTL during this time included the Army and departments of Commerce, Interior and Transportation, along with the U.S. Environmental Protection Agency, the state of Mississippi and various other state and university elements from Mississippi and Louisiana.

"By renaming the facility and elevating its status, it is my intention to recognize the importance of NSTL to current and future programs of NASA and to encourage and facilitate the location ... of additional activities, which can both benefit from and contribute to the capabilities which exist there," Fletcher said.

Nearly one year to the day after Fletcher's announcement, the first space shuttle main engine achieved ignition on June 12, 1975, at the National Space Technologies Laboratories, marking the beginning of more than 30 years of successful space shuttle main engine testing.

@ Stennis

As the 2010 hurricane season begins, what plans are you making, especially in the event of a major storm?

Editor's Note: @ Stennis highlights the views and opinions of Stennis Space Center employees.



"I'm thinking back to Hurricane Katrina and the lessons learned then, and planning accordingly as far as what I might need or not need."

Haynes Haselmaier, NASA IPA

"We have the typical plans and evacuation kits in place. I've also made sure my parents and loved ones will be safe. That's the main thing."

Gregory Lampley, Jacobs FOSC Group



"Truthfully, we've done almost nothing to this point. We tend to be a pretty reactive type of family."

**Ryan Sanchez
Science Applications International Corp.**

"We have plenty of canned goods and bottled water. We have a place to go and plans for what to do with our pets."

**Tammy Stagg
ASRC Research and Technology Solutions**



Office of Diversity and Equal Opportunity

Cultural awareness key to success

*A fish only discovers its need for water when it is no longer in it.
Our own culture is like water for the fish. It sustains us.
We live and breathe through it.*

Despite popular beliefs to the contrary – the single greatest barrier to business success is the one erected by culture. Cultural awareness becomes central when we have to interact with people from other cultures. People see, interpret and evaluate things in different ways. What is considered appropriate behavior in one culture is frequently inappropriate in another one. Misunderstandings arise when one uses his or her meanings to make sense of another’s reality.

Misinterpretations occur primarily when people lack awareness of their own behavioral rules and project them on others. In absence of better knowledge, people tend to assume, instead of finding out what a behavior means to the person involved, e.g. a straight look into another’s face is regarded as disrespectful in Japan.

Becoming aware of cultural dynamics is a difficult task because culture is not conscious to people. They have learned to see and do things at an unconscious level. Their experiences, values and cultural background lead them to see and do things in a certain way. Sometimes, one has to step outside of cultural boundaries in order to realize the impact culture has on one’s behavior.

The more complicated and uncertain life is, the more people tend to seek control. Assume that other people are as resourceful as oneself is and that their way will add to what one knows. “If we always do what we’ve always done, we will always get what we always got.”



Former Stennis employees return for Old Timers’ Day

Sandra Piernas (right), an employee at NASA’s John C. Stennis Space Center, serves NASA retiree Dewey Little during 2010 Old Timers’ Day activities on May 14. Each year, the Stennis Recreational Association welcomes back former employees for a meal and time of fellowship at the facility’s Cypress House. The event offers current employees the opportunity to hear stories about early work at the center. During the May 14 activities, former employees voiced appreciation for the chance to visit with former colleagues. “The people you work with at Stennis were like family, and it remains that way after a person leaves the job,” Christine Doby said.

Cultural diversity becomes an advantage when an organization expands its solutions and sense of identity and begins to take different approaches to problem solving. Diversity then creates valuable new skills and behaviors.

Culturally aware people realize: We are not all the same; similarities and differences are both important; and there are multiple ways to reach the same goal and to live life.



*FOSC VPP Merit;
NTOG & NASA
await audit dates*

On April 27, 2010, the Jacobs Technology Facility Operating Services Contract group was told by VPP Region IV Management that the best avenue was to admit the group into the VPP Merit program, which will put them on a path toward their VPP Star in 2011. FOSC is awaiting the official notification of their status from the Occupational Safety and Health Administration. The applications for the Jacobs Technology NASA Test Operations Group and NASA are still under OSHA review. It is hoped audits will be planned for July and August 2010, respectively.

Hail & Farewell

NASA bids farewell to the following:

Renay Nelson Information technology specialist
Center Operations Directorate

And welcomes the following:

Katie Carr Quality assurance
Office of Safety & Mission Assurance

Robert Southers Student trainee/engineering
Office of Safety & Mission Assurance

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Stennis welcomes summer students, faculty



(Top left photo) Stennis Space Center Education Office Student Program Manager Joy Smith (right) stands with Elizabeth Malezewski (University of Illinois at Chicago), an intern in the 2010 NASA Achieve Competence in Computing Engineering and Space Science (ACCESS) Program at Stennis this summer.



(Top center photo) Five students arrived at Stennis Space Center in June as participants in the 2010 NASA Interdisciplinary National Science Project Incorporating Research and Education Experience (INSPIRE) Program. They are (l to r): Maria Little (Terry High School), Amnah Rahman (Sai nt Scholastica Academy in Covington, La.), Mayisha Nakib (Ruston, La., High School), Hunter Blalock (Ocean Springs High School) and Xavier Rush (Terry High School).



(Top right photo) Stennis Space Center welcomed five Space Grant summer interns and fellows from three states earlier this month. They are (l to r): Thomas Conerly (Mississippi Gulf Coast Community College), John Poelma (MGCCC), Corrie McIntyre (University of Maine at Presque Isle), Michael Massery (Arkansas Tech University) and Stephanie Lee (Pearl River Community College).



(Right center photo) Stennis Space Center welcomed nine students for NASA's summer DEVELOP Program in June. Program participants are (back row, l to r): Cheri Miller (NASA DEVELOP manager), Robert Clark (University of New Orleans), Zachary C. Cooley (University of Southern Mississippi), Ross Reahard (UNO), Jacob McKee (USM) and Chad Robin (Florida State University); and (front row, l to r) Brandie Mitchell (DEVELOP student director), Amanda Billiot (University of South Alabama), Jared Zeringue (UNO) and Lucas Lee (USM)



(Right bottom photo) Five participants in the 2010 NASA summer Undergraduate Student Research (USRP) Program recently began their sessions at Stennis Space Center. They are (l to r): Jason Richard (Louisiana State University), Alex Grashoff (LSU), Ryan Nazaretian (Mississippi State University), Andrew Petrovics (University of Alabama), Steve Campo III (University of Louisiana at Lafayette).