



JUSTIN ROBERT

GRAPHIC DESIGN PORTFOLIO


BROCHURES AND BOOKLETS

Annual Report: 2020 Edition

28 Page Booklet

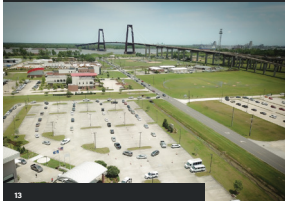
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In response to **COVID-19**, EOC worked to:

- Assist the National Guard with a COVID-19 testing site.
- Manage a food distribution with Second Harvest Food Bank.
- Distribute **20,000 masks** donated by the American Hanes Co.





Preparing Sandbags in Preparation for Hurricane Season

When you stay prepared, you don't need to get prepared.

#BEPREPARED

Operating as the only 24/7 Emergency Operations Center in the State of Louisiana, the **Department of Homeland Security and Emergency Management** has a team with more than 145 years of emergency experience that is always on call.


This year, the team activated the EOC **5 times** for an unprecedented number of tropical events.

Additionally, **186 events** occurred that required monitoring. These events ranged from a tugboat collision to flaring at a local plant.

Download the Hurricane Preparedness Guide online and build your gameplan today.
stcharlesparish-la.gov/hurricane

HAVE A PLAN!

- 1 Know where you will evacuate and how to get there
- 2 Have your kit ready
- 3 Make plans for your pet
- 4 Prepare important documents
- 5 Plan finances



BROCHURES AND BOOKLETS

Be Prepared Hurricane Guide

4 Panel Brochure

View on Dropbox: <https://bit.ly/3hLbpSk>

THE WELL-STOCKED DISASTER SUPPLY KIT

- WATER:** One gallon per person per day for 2 weeks.
- NON-PERISHABLE FOOD:** 2-week supply of ready-to-eat canned meats, fruits and vegetables, canned juices, energy bars, vitamins, peanut butter, nuts, crackers and canned soups.
- CLOTHING:** Include at least one complete change of clothing and footwear per person. Include rain gear and sturdy shoes or work boots, as well as sunglasses, hats and gloves.
- FIRST AID SUPPLIES:** Bandages, antiseptic, tape, compresses, non-aspirin pain reliever, anti-diarrhea medication.
- SPECIAL ITEMS:** Infant and medical supplies, supplies for elderly or disabled, 2-week supply of prescriptions.
- ENTERTAINMENT:** Games and books.
- IMPORTANT FAMILY DOCUMENTS:** Wills, insurance policies, contracts, deeds, stocks and bonds. Passports, social security cards and shot records. Bank account numbers. Credit card numbers and company addresses. Inventory of valuable household goods and important phone numbers. Birth, marriage and death certificates.

TOOLS AND EMERGENCY SUPPLIES:

- Emergency manual
- Flashlight
- Non-electric can opener
- Utility knife
- Duct tape
- Matches in waterproof box
- Plastic storage containers
- Battery-operated radio
- Mosquito repellent
- Camera and film
- Batteries
- Coolers for food and ice
- Toilet paper, paper towels, toilet paper
- Cash or traveler's checks
- Fire extinguisher
- Paper cups, plates and utensils
- DDOT Louisiana highway map
- Plastic sheeting
- Needles and thread
- Pliers
- Signal flare
- Paper and pencil
- Medicine dropper
- Water purification
- Chlorine tablets, iodine

PET EVACUATION KIT

PLEASE DO NOT LEAVE YOUR ANIMALS BEHIND!

Plan to bring food, water, medications, microchip, current rabies vaccination and license, current vet records, tags, collar, leash, and a carrier. For more information, contact the St. Charles Parish Animal Shelter at (985) 783-5010 or log on to www.stcharlesparish-la.gov/animalcontrol

IMPORTANT NUMBERS AND WEBSITES

AT&T U-Verse: 1-800-288-2020
www.att.com
ATMOS Energy: 1-888-286-6700
www.atmosenergy.com
Contract Monitor: 985-331-8604
www.cox.com
Cox Cable: 504-304-8444
www.cox.com
Entergy: 1-800-ENERGY
www.entropy.com
Community Services: 985-764-7944

St. Charles Hospital: 985-785-6242
www.stch.net
Flood Insurance: 1-888-379-9531
www.floodsmart.gov
La. State Police: 1-800-469-4828
www.lsp.org
United Way of SC: 985-331-9063
www.uwaysc.org
Red Cross: 1-866-GET-INFO
www.redcross.org
VIA Link Assistance: 211

During a disaster, VIA LINK 2-1-1 works around the clock to provide updated vetted information to the public on shelter locations, food distribution, assistance with FEMA filings (if declared), financial assistance, crisis counseling and intervention, transportation, and more.

DISASTER RELIEF NUMBERS

FEMA: 1-800-621-FEMA
www.fema.gov
Disaster Assistance
www.disasterassistance.gov
Disaster Food Stamps (DSNAP)
www.dss.state.la.us
Building Permits
stcharlesparish-la.gov/permits

HURRICANE PREP SMARTPHONE APPS



Get a Game Plan:

From the Governor's Office of Homeland Security and Emergency Preparedness (Phone)



Alert FM:

Integrates Map Weather Radio with ALERT FM's state and local notifications. Receive timely, localized emergency information - from weather alerts to available shelter locations. (Phone/Android)



Hurricane App by American Red Cross: Monitor conditions in your area or throughout the storm track, prepare your family and home, find help and let others know you are safe even if the power is out. (Phone and Android)



EMERGENCY MESSAGING

Visit scpemergencyalerts.com or click on 'Emergency Alert System' at stcharlesparish-la.gov to sign up for e-mail, phone and text alerts directly from the St. Charles Parish EOC.

INTERNET

Website: stcharlesparish-la.gov
LA Emergency Blog: emergency.louisiana.gov
Facebook: facebook.com/stcharlesgov

TELEVISION

SCP-TV is available on Cox Channel 6
AT&T U-verse Channel 99 and streaming at scp-tv.com

RADIO

1370 AM transmits emergency information during and after emergencies.

FOR AN EMERGENCY CALL: 911

EMERGENCY OPERATIONS CENTER (EOC): (985) 783-5050

PARISH PRESIDENT: (985) 783-5000

SCP EMERGENCY INFORMATION LINE: 1-888-SCP-9EOC



BE AWARE. BE PREPARED. BE SAFE.



St. Charles Parish Public Information Office
P.O. Box 302
Hahnville, LA 70057

Postal Patron

This document was produced by the St. Charles Parish Public Information Office with additional funding from United Way.



Matthew Jewell
Parish President
15045 River Road, Hahnville, LA 70057
P.O. Box 302 | (985) 783-5000

Joe Ganote
Emergency Preparedness Director
15026 River Road, Hahnville, LA 70057
P.O. Box 302 | Phone: (985) 783-5050

BEFORE THE STORM



1. HAVE A PLAN!

- Know where you will evacuate and how to get there
- Have your kit ready
- Make plans for your pet
- Prepare important documents
- Plan finances

2. HOME DAMAGE MITIGATION: Questions to ask

- Do I have enough flood insurance?
- Are my double entry doors secured?
- Has my garage door been secured?
- Does my sewer system have a backflow valve?
- Are my A/C and water heater above potential flood waters?

3. FLOOD INSURANCE

You can only purchase flood insurance through an insurance agent; you cannot buy it directly from the National Flood Insurance Program (NIFP).

If your insurance agent does not sell flood insurance, you can contact the NIFP Referral Call Center at (888) 379-9531 to request an agent referral.

Residents interested in participating in the Parish's Home Elevation program should contact the Grants Office at 985-783-5000.

ATTENTION SPECIAL NEEDS RESIDENTS!

If you will require assistance evacuating, please contact the St. Charles Parish Emergency Operations Center immediately at (985) 783-5050.

DURING THE STORM

1. MANDATORY EVACUATIONS

For everyone's safety, if Mandatory Evacuation is called, all residents **MUST LEAVE THE PARISH.**

- Shut off electricity at the main source and lock up
- Fuel and service family vehicles
- Use recommended evacuation routes listed in this brochure
- Be sure to leave early, before the onset of contraflow
- Take along needed items in your disaster supply kit
- Bring personal hygiene items, sleeping bags, pillows and blankets
- Know where you are going
- Do NOT leave your pets at home. Pack a pet evacuation kit

2. IF AN EVACUATION IS NOT REQUIRED

- Check your disaster supply kit
- Offer your home as shelter to friends or relatives
- Protect windows and glass doors with plywood or shutters
- Secure boats
- Clear ditches and catch basins to ensure proper drainage of rainwater
- Stay inside and away from windows
- If you lose power, turn off major appliances to reduce damage
- If flooding threatens your home, turn off electricity at the main breaker
- Avoid using the landline phone
- Clear your yard of potential flying debris, including lawn furniture
- Open refrigerators sparingly to preserve food freshness
- Stay tuned for advisories about tap water and sewer usage

It is common in St. Charles Parish for officials to ask residents to curtail use of water related activities such as clothes washing, dish washing, showering and flushing during storm events if there are widespread power outages.

3. THOSE WISHING TO USE ASSISTED EVACUATION:

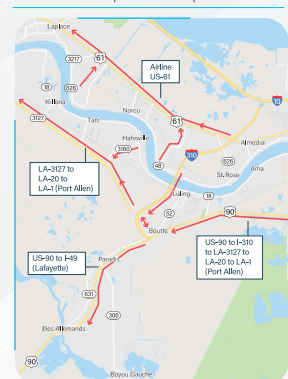
Use of this program should be a last option. Residents should first work with neighbors, family, friends and social networks to secure transportation out of the parish in the event of a mandatory evacuation.

Register with St. Charles Parish Emergency Operations now. Please call (985) 783-5050 and speak to the emergency coordinator on duty.

Evacuees will be staged at the West Bank Bridge Park in Luling and transported to the parish's shelter site outside of the storm surge area.

4. EVACUATION ROUTES

If the parish calls for a mandatory evacuation, both sides of the river will be asked to evacuate at the same time. According to the state contraflow plan, once contraflow has started you will not be able to access I-10 from I-310. St. Charles Parish will evacuate 40 hours prior to the onset of tropical storm force winds.



AFTER THE STORM

1. RE-ENTRY

St. Charles Parish uses an open re-entry approach. This practice allows all residents and business owners access to the parish as soon as authorities deem it safe to enter and move about. However, if a storm has caused significant damage, it may be necessary to allow access to essential personnel, such as first responders and cleanup crews ONLY.

Please stay tuned to local media outlets and the parish website at stcharlesparish-la.gov for up-to-date re-entry information.

2. DEBRIS PICKUP GUIDELINES: Separate Into Categories

- Household Garbage: Rugged trash, food, packaging, ect.
- Construction Debris: building materials, carpet, furniture, ect.
- Vegetative Debris: tree branches, leaves, logs, cuttings
- Household Hazardous Waste: oils, batteries, paints, ect.
- 'White' Goods: Refrigerators, washers, dryers, ect.
- Electronics: TVs, computers, phones, ect.



Limit curbside garbage to two 32-gallon containers or 8 trash bags. Do NOT bag storm debris and do NOT set debris against trees or poles. Tires and shingles are not considered storm debris and should be separated as well. Refrigerator doors must be secured with duct tape.

3. POWERLINE AND UTILITY SAFETY

Report downed lines immediately to Entergy at 1-800-ENERGY or call the EOC at (985) 783-5050. For safety tips and information, visit www.entropystormcenter.com

Look for electrical system damage once power is restored. If you see sparks, broken or frayed wires, or the smell of hot insulation is noticeable, turn off the electricity at either the main fuse box or circuit breaker.

Stay alert for natural gas leaks. If you smell natural gas, or if you hear a blowing or hissing noise, open a window and leave the area immediately. Do not operate electrical switches. If possible, turn the outside main gas valve off and call 911 from a neighbor's house.

BROCHURES AND BOOKLETS

Drone Safety Guide

3 Panel Brochure

View on Dropbox: <https://bit.ly/2TNLy41>



Check out the
FAA's B4UFLY MOBILE APP
For requirements and
restrictions specific
to your location.



Download on the
App Store

GET IT ON
Google play



For more information, visit:
WWW.FAA.GOV/UAS



St. Charles Parish
15026 River Road, P.O. Box 302
Hahnville, LA 70057
(985) 783-5050

St. Charles Parish Sheriff's Office
260 Judge Edward Dufresne Parkway
Luling, LA 70070
(985) 783-6237

UNMANNED AIRCRAFT SYSTEMS

DRONE SAFETY

IN
ST. CHARLES PARISH



RECREATIONAL FLYERS & MODELER COMMUNITY-BASED ORGANIZATION

You are considered a recreational user if you fly your drone for fun. It is important to know when and where you can fly and how to register your drone.

DRONE RULES & SAFETY

Following these rules will keep you and your drone safe and will help keep the airspace available to everyone.

- **Register your drone** if it weighs more than 0.55 pounds
- **Fly only** for recreational purposes
- **Fly at or below** 400 feet
- **Be aware** of FAA airspace requirements faa.gov/uas/recreational_fliers/where_can_i_fly
- **Keep your drone within** your line of sight
- **Do not fly at night unless** your drone has lighting that allows you to know its location and orientation at all times
- **Never fly near other aircraft**, especially near airports
- **Never fly over groups of people**, public events or stadiums full of people
- **Never interfere** with emergency response activities
- **Do not operate your drone** in a careless or reckless manner
- **Never fly over** critical infrastructure

REGISTERING YOUR DRONE

Register your drone online under the "I Fly Under the Exception for Recreational Flyers" option.

FAADRONEZONE.FAA.GOV



FAA PENALTIES

Unsafe operations may result in substantial civil penalties and possible action against an operator's FAA-issued certificate, or may be subject to criminal response by law enforcement in accordance with local laws and ordinances.

The Laws and Penalties may include but are not limited to:

LRS 14:337 Unlawful use of an Unmanned Aircraft System	LRS 14:284 Peeping Tom
LRS 14:63 Criminal Trespass	LRS 14:283.1 Video Voyeurism

These Laws and Penalties can be found in the Louisiana Code of Criminal Procedure.

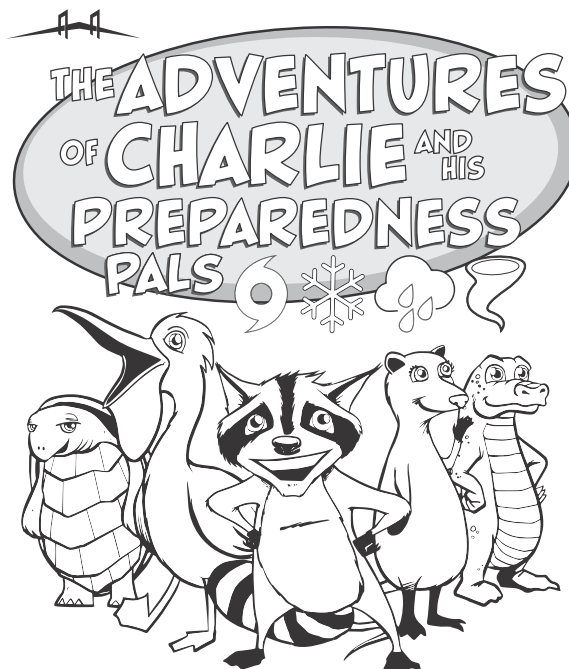
WWW.FAA.GOV/UAS

MORE INFORMATION AVAILABLE
ONLINE FROM THE FEDERAL
AVIATION ADMINISTRATION

- Certificated Remote Pilot
- Commercial Operation
- Educational Users
- Public Safety
- Advanced Operations

BROCHURES AND BOOKLETS

The Adventures of Charlie and his Preparedness Pals
Activity Coloring Book (Character Illustrations by Steve Sirmon)
View on Dropbox: <https://bit.ly/3xsiTjF>

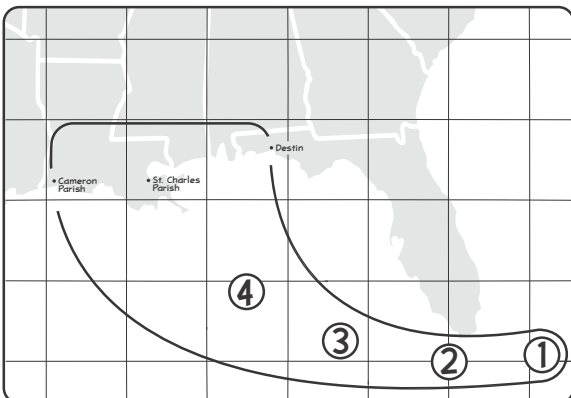


stcharlesparish-la.gov/preparednesspals

By: St. Charles Parish and the
Emergency Operations Center

TRACKER MAP

The map below shows the track of a hurricane. The 4 points show the different locations of the hurricane before making landfall. Storms can be hard to predict, so cones are used to show all possible areas the storm could go.



- | | |
|--------------------|---------------------|
| ① Monday 8:00 PM | ③ Wednesday 7:00 AM |
| ② Tuesday 10:00 PM | ④ Thursday 9:00 AM |



PREPAREDNESS PALS

PAGE 6



MAKE THE RIGHT DECISION

During an emergency, you may need to make a quick decision. Being prepared will help you make the right decision every time.

Draw a line to match the decision with the hurricane position on Page 6.

Decision

Position

Evacuate

①

Check your Supply Kit

②

Review your Emergency Plan

③

Prepare your home

④



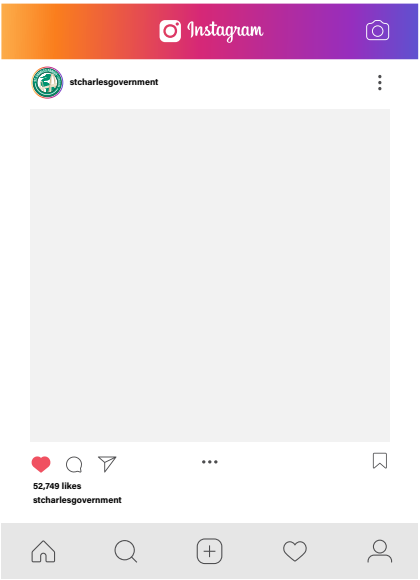
PREPAREDNESS PALS

Answer key on back

PAGE 7

EVENTS

Independence Day Celebration



Instagram Photo Cut Out



Public Information Booth



Park Map

EVENTS

Trash Bash



Logo



Flier



T-shirts



Mailer Insert



Motion Graphic: <https://bit.ly/2SRXRMe>



Social Media Post

CAMPAIGNS

Census 2020 Campaign

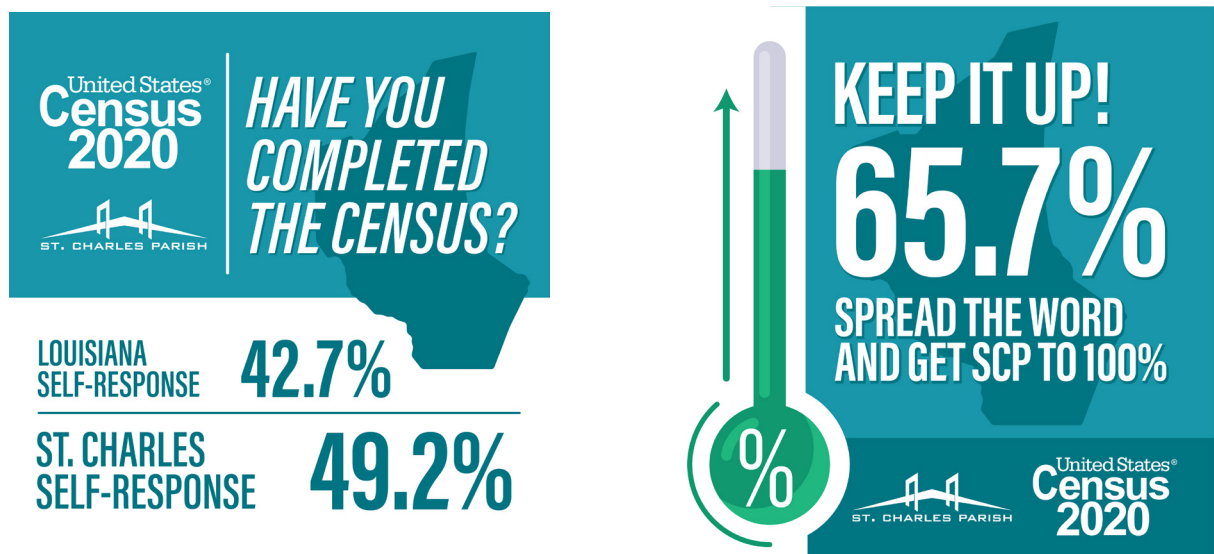


BE COUNTED.
ST. CHARLES PARISH COUNTS.

 **10** MINUTES
QUESTIONS
YEARS


United States®
**Census
2020**

Post Card Hand Outs




United States®
**Census
2020**
ST. CHARLES PARISH

**HAVE YOU
COMPLETED
THE CENSUS?**

LOUISIANA
SELF-RESPONSE **42.7%**

ST. CHARLES
SELF-RESPONSE **49.2%**

 **KEEP IT UP!**
65.7%
SPREAD THE WORD
AND GET SCP TO 100%

ST. CHARLES PARISH United States®
**Census
2020**

Social Media Posts

CAMPAIGNS

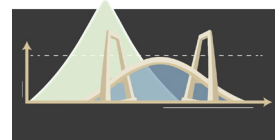
COVID-19 Information Campaigns



WASH YOUR HANDS OFTEN // PRACTICE SOCIAL DISTANCING // STAY HOME IF YOU ARE SICK

Flatten the Curve Social Media Posts

HOW ARE YOU
FLATTENING THE CURVE?



Flatten the Curve Motion Graphic:
<https://bit.ly/3yuvovh>



RETAIL GUIDANCE

opensafely.la.gov // stcharlesparish-la.gov/businessreboot

(1) CUSTOMERS

1. Consider limiting the number of guests in your store at one time with the goal to maintain 6ft of distance between patrons
2. Explore alternative payment options that limit contact
3. Increase cleaning throughout the store

(1) SHOPPING OPTIONS

1. Shop by appointment or have special hours set for vulnerable citizens
2. Curbside pick-up and delivery
3. Utilize online platforms to sell goods

(1) EMPLOYEES

1. All employees should follow local and state requirements regarding face coverings
2. Encourage frequent hand washing and use of alcohol-based hand sanitizer
3. Employee temperature checks can be done at the discretion of the employer and sick employees should stay home

(1) *Guidance subject to change based on changes from state-level organizations.



(1) HIGH-RISK CONDITIONS

- Employees with higher risk should be given special consideration.
- Over 65 • Diabetes • Hypertension • Compromised Immune System

(1) DISTANCING

- All employees should be encouraged to remain at least 6-feet apart

(1) MEETINGS

- Conduct meetings virtually or over the phone as much as possible
- In-person meetings should aim to maintain 6ft spacing

(1) TELEWORK

- Continue to encourage teleworking when and where appropriate

(1) SANITATION GUARDS

- It may be necessary for sanitation guards to be placed at fixed locations such as retail counters

(1) GENERAL POLICIES

- Follow CDC guidelines regarding handwashing and covering your mouth when coughing or sneezing
- Set organizational policies if employees have COVID-19 symptoms or test positive for the virus

(1) MASKS

- CDC Guidelines encourage individuals to wear masks when in public
- Cloth masks are sufficient and medical-grade such as N95 should be reserved for industry environments which require them.*

(1) GLOVES AND PPE

- Gloves should be worn for those handling edible products and should be changed frequently
- PPE should be offered to office workers and be available in sufficient quantity

(1) CLEANING AND SANITATION

- Robust cleaning should happen daily and surfaces should be wiped down multiple times daily
- Improved air filtration and as much airflow as possible

(1) *Guidance subject to change based on changes from state-level organizations.

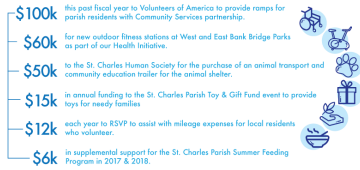


Business Reboot Fliers

INFOGRAPHICS

UNITED WAY OF ST. CHARLES ST. CHARLES PARISH GOVERNMENT

United Way of St. Charles collaborates with St. Charles Parish Government in a couple of different ways:



In addition, we fund 32 agencies and 100+ programs that provide needed services to St. Charles Parish residents.



PROGRAMS FUNDED

Counseling (for school age children)

Drugs Abuse Prevention Education in the schools (CADA)

Child Abuse Detection Education (Child Advocacy Services)



United Way of St. Charles Fundraiser Infographic

St. Charles Parish by the numbers

FOUNDED
1807

52,749 Total Population

15 Public Schools

- High Schools**
- Destrehan High School (Destrehan)
 - Iberville High School (Boutte)
- Middle Schools**
- Barry Maza Middle School (Destrehan)
 - St. James Middle School (Ponchartraine)
 - Albert Camus Middle School (St. Rose)
 - St. John Middle School (Luling)
- Elementary Schools**
- Lind Schriber Elementary School (Destrehan)
 - Lakewood Elementary School (Luling)
 - Norco Elementary School (Norco)
 - P.A. Old Elementary School (Ponchartraine)
 - Monroe Park Elementary School (Luling)
 - Luling Elementary School (Luling)
 - St. Ann Elementary School (St. Rose)
 - New Sarpy Elementary School (Destrehan)
 - Marquette Elementary School (Des Allemands)

14 Total Towns

- St. Rose
Destrehan
New Sarpy
Mouze
Boutte
Des Allemands
Bayou Gauche
Luling
Ponchartraine
Amite
Killona
Bossier

7 Major Highways

- Interstate 10
U.S. Highway 63
U.S. Highway 90
Louisiana Highway 3127
Louisiana Highway 48
Louisiana Highway 48

Distance from Major Cities



15+ Tourist Attractions

- St. Charles Roman Church and Cemetery
Library Hermitage, Ormond Plantation
Barron Canal Valley
Destrehan Plantation
East and West Bank Bridge Parks
John and Festina
George Prince Farm (B&B)
Ormond Spray Park
St. Charles Parish Courthouse
Louisiana State Museum
Woodland Wetlands Park

Total Parks

- 32 Recreational facilities
19 Multi Purpose Fields
26 Playground Equipment Areas

Area Total 411 sq miles

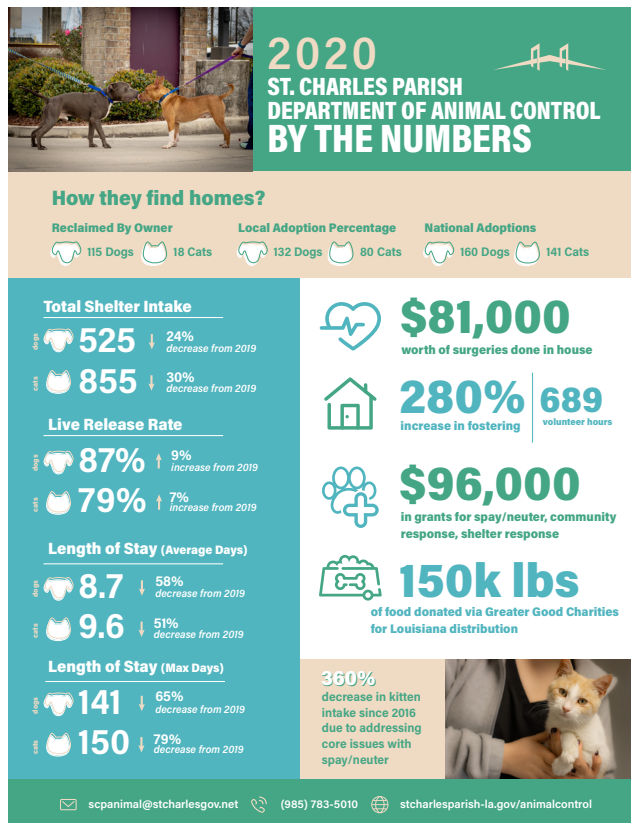


24 Industrial Plants

Produced by the Public Information Office.
For more information visit: stcharlesparish-la.gov

ST. CHARLES PARISH

St. Charles Parish by the Numbers Infographic



St. Charles Parish Animal Shelter Infographic

LOGOS



St. Charles Parish Logo
Motion Graphic: <https://bit.ly/2VhmSBw>



Alligator Festival Logo



Park Life Logo



SCP Alerts Logo
Motion Graphic: <https://bit.ly/3dT3YHH>



SCP Strong



Here & Now Logo
Motion Graphic: <https://bit.ly/3qR2GC6>

BROCHURES AND BOOKLETS

Future Human Exploration

3 Panel Brochure

Dropbox Link: <https://bit.ly/4hO5GZf>

NASA is on a journey back to the Moon and on to Mars. NASA will land the first woman, first person of color, and first international partner on the Moon, using innovative technologies to explore more of the lunar surface than ever before. The Michoud Assembly Facility is building the rocket that will get us there – the SLS (Space Launch System).



Michoud provides vital support to NASA's human space exploration missions by fabricating the largest components of SLS. Engineers are building the 212 ft. SLS core stage, which holds 753,000 gallons of propellant, as well as the Exploration Upper Stage, and major structures of the Orion spacecraft, which will carry astronauts on deep space missions, to the Moon and beyond.

Michoud is one of the largest manufacturing facilities in the world with 2.2 million square feet of manufacturing space in its climate-controlled rocket factory, and additional manufacturing areas situated on 829 acres in New Orleans.

Michoud has always been NASA's premiere manufacturer and assembler of large-scale space systems. And now, NASA has opened the next chapter in our human space exploration – a story that is being written aboard SLS and Orion.





Building the Future of Human Exploration

MICHOU
ASSEMBLY FACILITY

[@NASAMAF](#)
[@NASA_MARSHALL](#)

National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Huntsville, AL 35898
www.nasa.gov/marshall

Michoud Assembly Facility
New Orleans, LA 70129
www.nasa.gov/michoud

www.nasa.gov

MAF




National Aeronautics and Space Administration



Tour Stops on the Journey from the Moon to Mars.

- Building 115 houses the **Vertical Weld Center (VWC)** that welds barrel panels together to produce whole barrels for the SLS (Space Launch System) rocket's pressurized cryogenic tanks, the forward skirt, and the aft engine section. The VWC stands about three stories tall and weighs 150 tons. This building manufactured both flight and test hardware for the core stage and will build fuel tanks and stack the **Exploration Upper Stage (EUS)**.
- Housed in Building 103 is the **Enhanced Robotic Weld Tool**; this includes a gore segment weld tool and two circumferential dome weld tools used to make the large domes for the **liquid oxygen and liquid hydrogen tanks**, which store the propellant that fuels the SLS rocket and the EUS.

Across the aisle, the Michoud team manually assembles the **SLS intertank** – one of five main structures of SLS's core stage and the only component that is not welded. The core stage intertank connects the liquid hydrogen and liquid oxygen tanks and is the upper attachment point for the rocket's two five-segment solid rocket boosters.
- The **SLS forward skirt**, which sits at the top of the core stage, is manufactured in the Avionics area and outfitted with SLS flight computers and avionics that guide, navigate, and control the rocket. These are the critical connections between the SLS core stage and its twin solid rocket boosters.
- The **pressure vessel** of the Orion spacecraft and its **launch abort system** are also manufactured in Building 103. Technicians weld together its seven large aluminum pieces in detailed order. The structural test articles and flight articles are manufactured at Michoud, including the structure flown during the 2014 Orion test flight and the uncrewed Artemis I lunar test flight in 2022.
- The **Segmented Ring Tool and Ring Machining Center** manufactures rings used to mate completed domes and barrels together to form the propellant tanks. The rings provide stiffening for the domes and are attachment points for the major components to form the SLS core stage and EUS.



SLS BLOCK 1B
366'

SLS BLOCK 1
322'

10

Building 103, Michoud's main manufacturing building, has 43 acres under one roof and is occupied by NASA and commercial tenants. Eight welding tools are used to assemble the various components of Artemis hardware, including the core stage, EUS, and the Orion spacecraft.

- Building 103 is also home to **Michoud's North Grey Box**, a manufacturing space dedicated to the production of the **EUS**, which will debut on SLS's Block 1B configuration. This in-space stage, with its four RL-10 engines, will support the first eight hours of future Artemis missions and offer more than 10,000 cubic feet of space to carry large components, such as modules for NASA's future Gateway outpost.
- The **Engine Section** manufacturing area has several tooling stations dedicated to precision assembly of avionics, propulsion components, and other subsystems needed for the four RS-25 engines that attach to the bottom section of the core stage. The engine section transfers fuel from the propellant tanks to the RS-25 engines and provides lower attachment points for the two solid rocket boosters.
- Building 114, a high bay, was added to the factory in support of external tank production during the Space Shuttle program. The cells inside the high bay are used in the application of **primer and the thermal protection system (TPS)** for SLS's forward skirt and intertank. The liquid hydrogen and liquid oxygen tanks receive primer and TPS in larger cells in a separate building nearby.
- Building 110, Michoud's **Vertical Assembly Building**, was built to support the Apollo program. It is **210 ft. high**, with two 75-ton cranes on a ceiling-mounted rail system, and includes the Vertical Assembly Center, the world's largest friction-stir weld machine. The massive center welds barrels, domes, and rings together to produce liquid oxygen and liquid hydrogen pressurized tanks and adds stiffening rings to the engine section and forward skirt. Hydrostatic pressure testing of the liquid oxygen tank, cleaning of both propellant tanks, and stacking of the forward skirt, liquid oxygen tank, and intertank also happen within Building 110.
- A scale model of NASA's Michoud Assembly Facility is in the Model Room along with historical photographs that illustrate Michoud's vital role in America's space program. For more than 60 years, Michoud has built large-scale systems for human space exploration including Saturn rocket stages, more than 135 Space Shuttle external tanks, and now some of the largest parts of the SLS rocket and Orion spacecraft, designed to take humans back to the Moon and beyond.

The Journey has begun!

LOGOS AND BRANDING

Space Radiation Element Concept Art



SOCIAL MEDIA



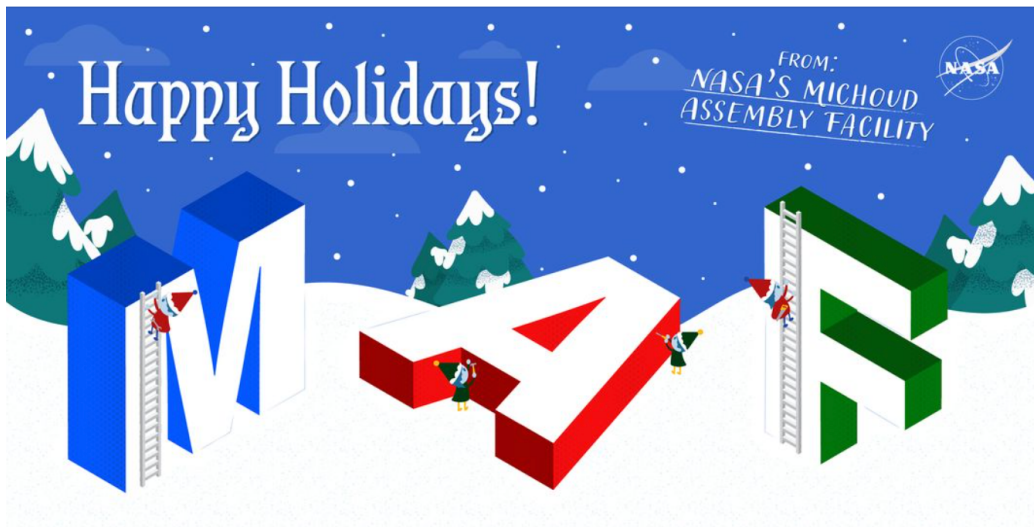
NASA Michoud Assembly Facility ✓

December 25, 2022 at 9:00 AM · 🌐



Santa's toy factory may be busy this time of year, but do they make rockets?

Happy Holidays from NASA's Michoud Assembly Facility - America's Rocket Factory!



👍❤️ 51

4 comments 7 shares



NASA Michoud Assembly Facility ✓

January 1 at 12:00 AM · 🌐



Happy New Year from all of us at [#NASAMichoud](#)! We hope 2023 is a year full of new adventures for you and your loved ones.



👍❤️ 81

9 comments 11 shares

BRANDING AND LOGO

A promotional poster for Spacecuts hair salon. The background is a black space with white stars and a view of the Earth's horizon at the bottom. At the top, a pair of red scissors is stylized to form the letter 'S' in the word 'SPACECUTS'. The text 'Specializing in Men and Women Hairstyles' is in a small, white, sans-serif font. Below it, 'OPEN THURSDAYS' is in large, bold, white, sans-serif font. Underneath that, '9AM - 3:30PM' is in bold red font, followed by 'OPEN TO THE PUBLIC' in a smaller, red, sans-serif font. The location 'Michoud Assembly Facility | Bldg. 101 Lobby' is in a small, white, sans-serif font. A price list follows: 'MENS HAIRCUT \$17', 'WOMANS HAIRCUT \$25', 'ACTIVE DUTY & RETIRED MILITARY \$14', and 'EYEBROW WAXING \$10'. Below the list, 'Walk-ins Only' is in red italicized font, and 'Call For More Info: 504-257-0866' is in white italicized font. A QR code is located at the bottom center, above the Earth's horizon.

SPACECUTS

Specializing in Men and Women Hairstyles

OPEN THURSDAYS

9AM - 3:30PM OPEN TO THE PUBLIC

Michoud Assembly Facility | Bldg. 101 Lobby

MENS HAIRCUT **\$17**

WOMANS HAIRCUT **\$25**

ACTIVE DUTY & RETIRED MILITARY **\$14**

EYEBROW WAXING **\$10**

Walk-ins Only

Call For More Info: 504-257-0866

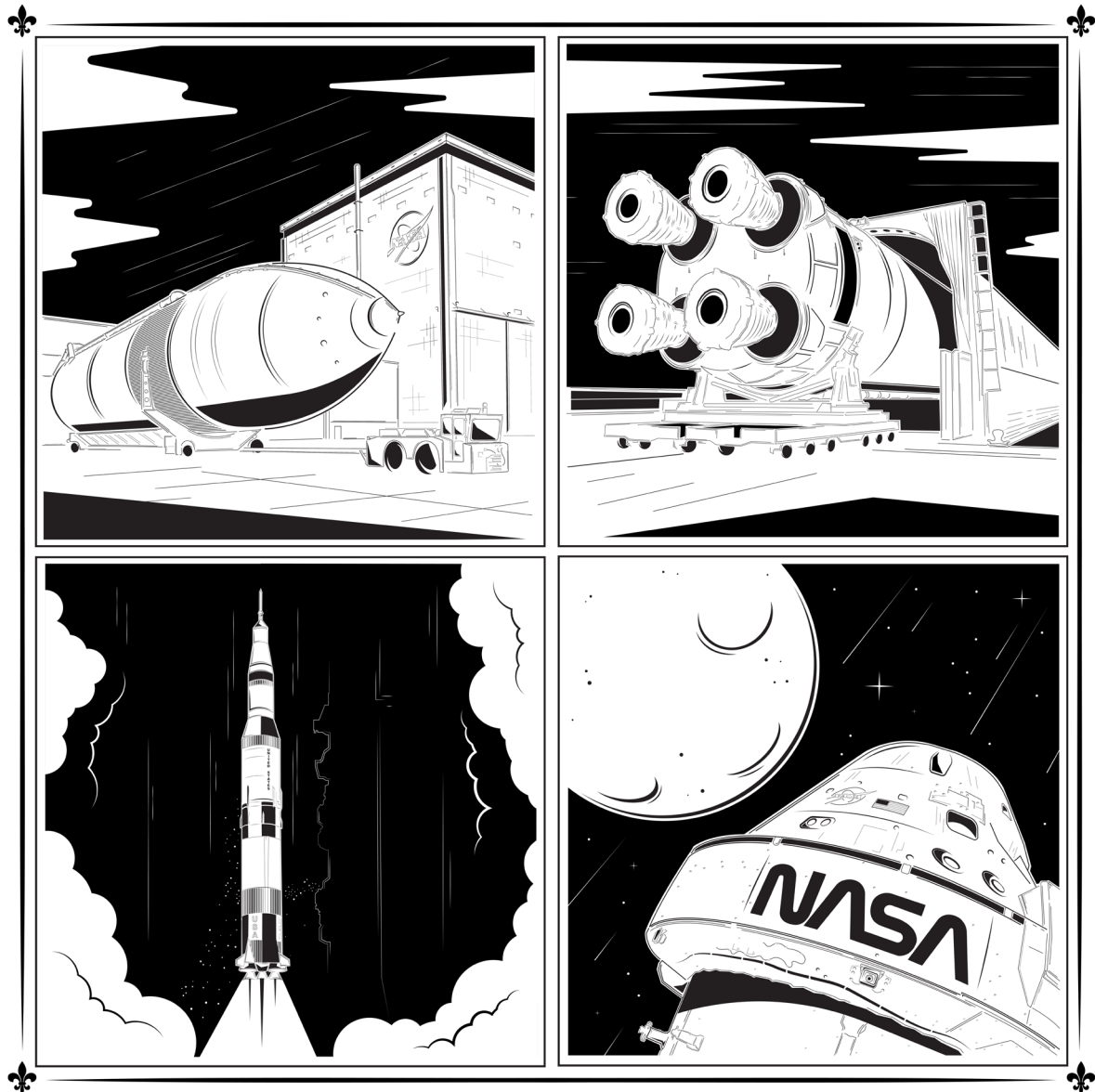
Haircuts by Julie
hair salon & barbershop

Stars and Stripes
HAIR SALON AND BARBERSHOP ★★★



ILLUSTRATION

Design for Laser Engraving



NEW ORLEANS, LOUISIANA
MICHoud ASSEMBLY FACILITY

Maps and Directions for Visitor's Guide



Exit 246A

Highway 11

Michoud Assembly Facility
13800 Old Gentilly Road
New Orleans, LA 70129

Michoud Assembly Facility is conveniently located just 12 miles from Downtown New Orleans, less than a mile off I-510, four miles from I-10 and 25 miles from I-12 and I-55.

Additionally, MAF sits nine miles from the New Orleans Lakefront Airport and 24 miles from Louis Armstrong International Airport (MSY).

VISIT NEW ORLEANS
neworleans.com

NEW ORLEANS MAPS AND TRANSPORTATION
neworleans.com/plan/transportation

LOUIS ARMSTRONG NEW ORLEANS INTERNATIONAL AIRPORT
flymsy.com

CAMPAIGNS

New Orleans Superbowl and NASA Graphics
Dropbox Link: <https://bit.ly/3Q8tD1K>

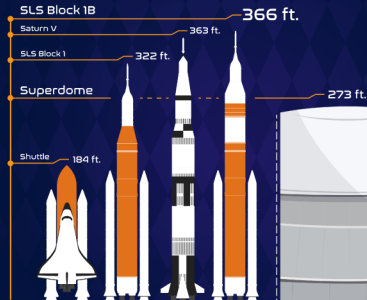


MICHOUD ASSEMBLY FACILITY

NEW ORLEANS, LOUISIANA

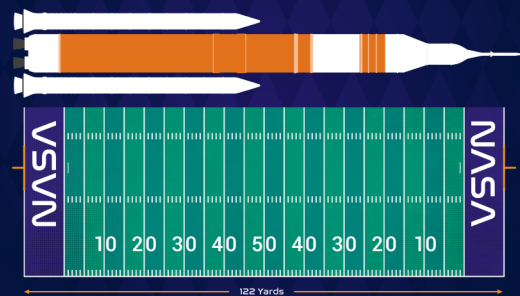
HOW DO THE ROCKETS STACK UP?

NASA'S POWERFUL MOON ROCKET, THE SLS (SPACE LAUNCH SYSTEM), STANDS 49 FEET TALLER THAN THE SUPERDOME, WHILE THE FUTURE BLOCK 1B WILL TOWER OVER 90 FEET ABOVE THE NEW ORLEANS ICON.

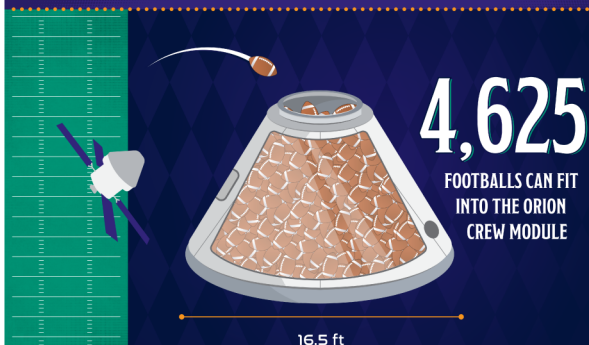


TOUCHDOWN!

NASA'S POWERFUL MOON ROCKET, THE SLS (SPACE LAUNCH SYSTEM), WILL BE 366 FEET TALL IN ITS FUTURE CREWED CONFIGURATIONS - 6 FEET TALLER THAN A FOOTBALL FIELD IS LONG.



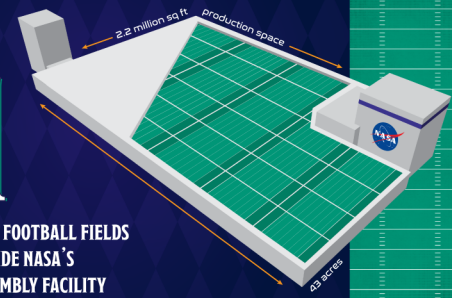
HUT, HUT, HIKE!



GAME DAY!

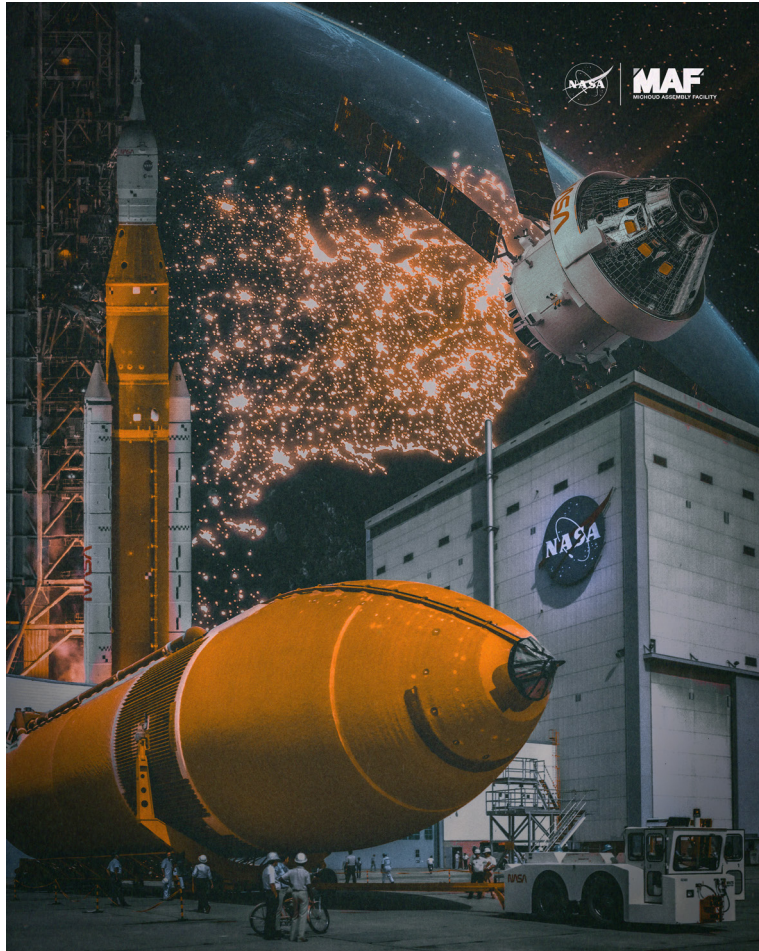
31

PROFESSIONAL FOOTBALL FIELDS
COULD FIT INSIDE NASA'S
MICHOUD ASSEMBLY FACILITY



POSTERS

Special Retirement Poster
STEM Outreach Poster



FLYERS

NASA Day in Baton Rouge Flyers



National Aeronautics and Space Administration 

2022
NASA
DAY IN >>>>>
BATON ROUGE

MARCH 23
9AM – 2:45PM

Louisiana State Capitol, Baton Rouge, LA

Meet NASA astronauts and engineers as they convey NASA's latest priorities and programs featuring demonstrations, exhibits, and displays.

Group tours should **RSVP** to the State Capitol Tourism Desk.
(225) 342-7317 or (225) 219-1203

For any questions regarding this event please contact Craig Betbeze.
craig.c.betbeze@nasa.gov

nasa.gov



2022
NASA
DAY IN >>>>>
BATON ROUGE

MARCH 23
9AM – 2:45PM
LOUISIANA STATE CAPITOL

POSTERS

MAF History Timeline

Dropbox Link: <https://bit.ly/4hNsW9J>



1942 - 1949

1942 New Orleans Higgins Shipbuilding Company received a contract to build 200 Liberty Ships - the largest shipbuilding contract awarded up to that time. Andrew J. Higgins chose the old Michoud Plantation site. Within 3 short months the entire facility was half completed, but the Maritime Commission unexpectedly cancelled the project citing a shortage of steel. Roosevelt met with Higgins and discussed producing wooden cargo planes or "flying boats" at Michoud. On November 6, 1942, the Army Air Corps approved a letter of intent for 1,200 C-76 Curtiss Cargoes. Thirty million dollars of the \$160 million contract was earmarked for the completion of Michoud's construction & testing.

1943 War Department cancelled contracts for the C-76s citing increased aluminum production and shifted to C-46 cargo planes. Higgins claimed the right to build these too, and the Michoud Aircraft Plant was officially dedicated on October 24, 1943. Only 2 C-46 cargo planes were ever produced by Higgins Aircraft because the War Department cancelled the contract in August 1944 as it shifted its emphasis in the air war requiring more bombers & larger, long-range troop transports. Site included the Michoud Factory Airfield.



1961 - 1972

1961 With the space race with the Russians heating up, the National Aeronautics & Space Administration took over the facility (then called the Michoud Ordnance Plant) for design & assembly of large space vehicles. The plant was assigned to Chrysler and Boeing to set up production for the first stages of Saturn I and Saturn V. Walter access played a role in all site selections for new Apollo facilities.

1963 The Vertical Assembly Building (VAB) was constructed. Its role as the assembly building for the Saturn IB and Saturn V first stage boosters during the Apollo Program.

1965 MSFC Michoud Operations name officially changed to Michoud Assembly Facility. Construction of the Saturn IB Boost S1 C boosters continued at the Michoud facility until the early 1970's when the Apollo program wound down & work began on the Space Shuttle, the next generation launch vehicle.

1969 With the Apollo 11 landing on the Moon, the United States won the race to the Moon over the world's other superpower of the era, the Soviet Union.



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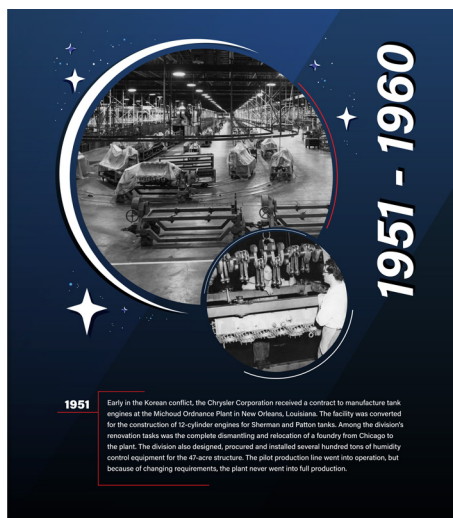


1973 - 1983

1973 Martin Marietta Aerospace (now known as Lockheed Martin Space Systems Company) was the next large tenant of Michoud. They received the contract to design, develop, and manufacture external propellant tanks for NASA's Space Shuttle Program. The external tanks are unique in that they are the only element of the Space Shuttle as a whole that is not recovered after a mission for reuse. The external tank provides 18 million pounds of fuel for the three main engines.

1983 The first External Tank (ET) was produced and flew on STS-1 on April 12 and returned on April 14. Space Shuttle Columbia orbited the Earth 37 times during this 54.5 hour mission. First manned space flight since the Apollo-Soyuz Test Project in 1975.

STS-1 was one of only two shuttle flights to have its External Tank painted white. To reduce the shuttle's overall weight, all flights from STS-3 onward used an expanded tank. The use of an expanded tank provided a weight savings of approximately 1000 lb and gives the ET the distinctive orange color which is now associated with the Space Shuttle.



1951 - 1960

1951 Early in the Korean conflict, the Chrysler Corporation received a contract to manufacture tank engines at the Michoud Ordnance Plant in New Orleans, Louisiana. The facility was converted for the construction of 12-cylinder engines for Sherman and Patton tanks. Among the division's renovation tasks was the complete dismantling and relocation of a boundary from Chicago to the plant. The division also designed, purchased and installed several hundred tons of humidity control equipment for the 47-acre structure. The pilot production line went into operation, but because of changing requirements, the plant never went into full production.



FUTURE

The future of Michoud Assembly Facility is bright. While production continues on core stage and Orion flight hardware for future Artemis missions, MAF is updating tooling and infrastructure to support future NASA programs. MAF has begun manufacturing the Exploration Upper Stage, which will provide 40% more power and payload capacity to future SLS configurations in support of Artemis' increasingly complex missions aiming to create a permanent presence on the Moon and future Missions to Mars.

POSTERS AND SIGNAGE

Hand Safety Campaign Materials

National Aeronautics and Space Administration

Hand Safety

Some tools are irreplaceable
One close call is one too many

Common Hand Injuries

- Cuts & Lacerations – sharp tools or materials
- Fractures & Amputations – moving parts, falling objects
- Strains & Sprains – poor ergonomics, wrong tools
- Burns – heat and chemicals
- Skin Disorders – chemical exposure

31%
of injuries at MAF related to hands/fingers
2023-2024

Ask yourself...

- Have you ever grabbed something sharp, hot, or chemical-laden?
- Had pain from gripping wrong?
- Nearly crushed or caught your hand?

Preventing Hand Injuries

- Stay focused and alert
- Use guards on machines/tools
- Keep tools in good condition
- Choose ergonomic tools
- Wear task-appropriate gloves
- Avoid jewelry and loose clothing

MAF SHE COMMITTEE

www.nasa.gov

Hand Safety Event

Some tools are irreplaceable

June 25, 2025
Building 103 Hero's Way
10am - 12pm

MAF SHE COMMITTEE



Hand Safety

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MAF SHE COMMITTEE



LOGOS AND BRANDING

Micro-G NEXT 10th Anniversary Logo
Logo Design (Spark Design Winner)



LOGOS AND BRANDING

Lunar Terrain Vehicle

Branding and Identity (Spark Design Winner)



Lunar
Terrain
Vehicle



LTV



Lunar
Terrain
Vehicle



LTV

Lunar Terrain Vehicle

Human mobility on the lunar surface is crucial for enhancing scientific discovery on each mission and preparing for planetary mobility on Mars.



LTV



Sea Storm

Sagebrush Green

Coral Rose



LOGOS AND BRANDING

MSFC Outreach Video Series

Branding and Identity (Spark Design Winner)

Motion Graphic: <http://bit.ly/4gAxuPI>

NASA Pillars

Knowledge Capture Video Series

Pillars

