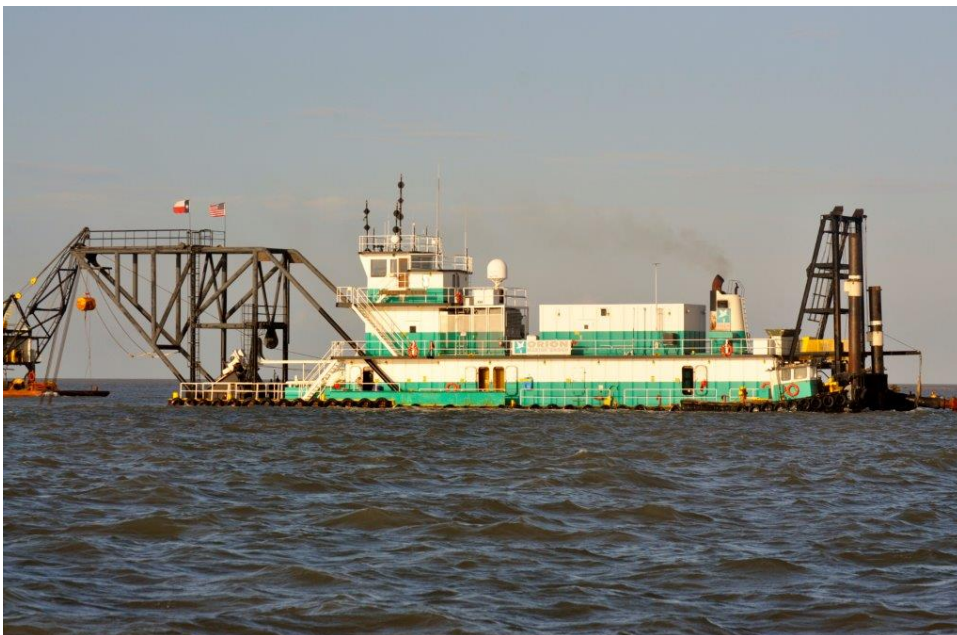




Site Specific Safety Plan



EPIC DOCK

MAKE SAFETY YOUR NUMBER ONE PRIORITY



Contents

Orion's Guiding Beliefs.....	3
Health and Safety Communication.....	4
Site Safety Inspections/ Visits.....	4
Incident/Accident Investigation- Reporting Procedure.....	4
Safety Policies and Safety Meetings.....	5
Hazard Control Reporting and Observation Program.....	5
Training.....	6
Lightning Plan.....	6
Emergency Action Procedure.....	7
For Injuries.....	7
Clinic/Hospital Maps.....	Error! Bookmark not defined.
Medical Facility Contacts Sheet.....	10
Hazard Prevention and Control.....	12
System to Track Hazard Corrections.....	12
Preventive Maintenance Systems.....	12
Water Rescue Procedures.....	13
Personal Protective Equipment.....	13
Emergency Equipment.....	14
Emergency Response Plan.....	14
Hazardous Material Spill Response.....	15
Fire Response.....	16
Lighting.....	16
Helicopter Landing Zones.....	17
Required Postings & Labeling.....	19
HURRICANE PREPAREDNESS PLAN.....	20
MARITIME OPERATIONS.....	20
Upon Issuance of a Hurricane WARNING.....	20
ALL EMPLOYEES.....	21
After the Storm Has Passed.....	22



Orion's Guiding Beliefs

GUIDING BELIEFS OF ORION MARINE GROUP

The guiding beliefs and core values of Orion Marine Group, Inc. are centered on Quality, Safety and Production (each of equal weight and importance) but, most importantly, with each built upon the all-important foundation of Integrity.

Quality

As Employees of Orion Marine Group:

- We take pride in our personal workmanship and that of the entire Orion team;
- We are committed to ensuring that each task is properly and correctly performed the first time; and
- We will continually improve upon everything we do, every day.

Safety

As Employees of Orion Marine Group:

- We are responsible and accountable for our own personal safety;
- We are equally responsible and accountable for the safety of all our co-workers and any others we come in contact with; and
- We are authorized and obligated to stop work whenever an unsafe condition or situation is anticipated or is observed by us.

Production

As Employees of Orion Marine Group:

- We are to safely perform assigned tasks in the most efficient, timely and effective manner possible;
- We are expected to safeguard all Company equipment and facilities; and
- We must always act in the best interest of the Company.

Integrity

- The foundation of Orion's success and its commitment to Quality, Safety and Production rests upon Integrity;
- We view integrity as our ability to be honest, ethical, sincere and forthright in our dealings with others;
- We will apply the foundation of integrity in everything we do; and
- Whenever we as individuals or the Company makes a commitment, that commitment must be kept.



Health and Safety Communication

Our company's focus is on continued improvement in the prevention of accidents, effective safety communication and training, and accountability throughout each of our jobsites including the **EPIC DOCK Project**.

Key elements of our safety program include:

- Recognition that controlling safety and health hazards contributes to business performance by preserving human and physical resources and reducing costs and liabilities as well as the moral of the workers.
- Promotion of communication between our departments to ensure that safety and health protection is integrated throughout the completion of the project.
- Compliance with all federal, state, and local environmental, safety and health regulations.
- We recognize that the success of our safety and health program is contingent upon the involvement of all employees of our company.
- All employees to report all accidents/incidents to their supervisor immediately, no matter how slight. This helps to ensure prompt medical care, and to investigate and eliminate hazards that may cause others to be injured. In addition, employees **MUST** report, or immediately correct, any, and all, unsafe conditions or hazards found in the workplace.
- All Supervisor's, Foremen, Management and Safety department are provided with company cellular phones to ensure prompt communication in any situation.
- All Employees have the right and responsibility to stop any act/ action which he/she deems unsafe.

Site Safety Inspections/ Visits

The safety department makes regular daily and weekly safety visits to the assigned job locations both expected and unexpected. During these visits the safety department employee ensures all lifesaving equipment, rigging equipment, tools, and operations are in compliance with company policy. If any discrepancies are noted, they are immediately brought to the foreman's attention and corrected.

Incident/Accident Investigation- Reporting Procedure

Any time there is an accident, incident and/or near miss, all Orion Supervisors and Foremen are required to complete a "**Supervisor Accident/Incident/Near miss Investigation Report**", this report includes but is not limited to analysis and contributing causes, i.e. root cause analysis. The foreman and all involved employees will work jointly with the safety department to provide a complete and thorough investigation so that corrective actions can be developed and implemented. Prevention of accidents is the goal of Orion Marine Group and prevention of reoccurrence of any incident will be accomplished through this in-depth process.

The Proper Reporting Process for any incident (Injury, equipment damage, vehicle accident, spill/release) is as follows:



- 1.) Foreman shall contact via telephone HSE department and Superintendent.
- 2.) Superintendent shall contact the project manager and advise him of the incident.
- 3.) HSE Department shall contact Project Manager (if not already contacted by superintendent) and also notify **Nathan Hawthorne** HSE Manager.
- 4.) Project Manager **Jacob Bures** shall notify his Area Manager of the incident.

In the event a phone call cannot be made immediately a text message or email briefly stating the details of the incident shall be sent to the HSE Department and Project Manager. It shall contain:

- 1.) Incident Type (Spill, Injury, Damage, etc.)
- 2.) Who or what is involved (Injured party, equipment, etc.)
- 3.) Where incident occurred (Project, and location on project)
- 4.) What crew is doing to immediately address incident (first aid, containment of spill, shut down of equipment, etc.)

This information will assist Orion in properly notifying all required agencies and entities that require notification when an incident occurs.

Safety Policies and Safety Meetings

A complete copy of the Safety Manual and SDS's used at Orion Marine Group shall be located at each project location office at a minimum. Supervisors and Foremen will also have access to a copy of the complete manual. These manuals will be available to all employees.

Daily meetings shall be held by Supervisors and Foreman to discuss scheduling and planning. Job Safety Analysis (JSA) will be part a major component of these meetings ensuring that all employees are made aware of the hazards and trained when necessary, in the safe work procedures planned for specific tasks to which they may be assigned. No work or operations can take place prior to the completion of a JSA.

Weekly Safety Meetings are required to be held by each Foreman or other person in charge. Topics are chosen that are relevant to the unique industry that we work in. All employees are encouraged to take ownership of our Safety Program and participate in these meetings by providing valuable input and feedback, pointing out hazards that they have noticed and how to avoid them, and in doing so contributing useful information to the meeting that will benefit all attending.

It is the responsibility of the Foremen or other designated work crew member to provide overall guidance and instruction, advice, and to monitor the progress of the new hire in adapting to his/her new work environment.

Hazard Control Reporting and Observation Program

All Orion crews participate in the Hazard Control Reporting and Observation Program (HCROP). This program contains three levels of protection in addition to the Job Safety Analysis. Our employees have an IPAD with the HCSS app that contain a form that can be used to perform a BBS observation, document a Stop Work, as well as to report a Near Miss. These are filled out by employees and sent to the Safety Department. Our crews also perform "Hazard Hunts" wherein our employees walk the worksite looking for hazardous conditions that exist in the area of their work. These "Hunts" are performed at least once a week for approximately 15 minutes following their lunch break. After the hunts are performed the "Hunt Crew" talks with the foreman about their findings and places timelines on correcting hazards that were not able to be immediately corrected during the "Hunt".



Training

Specific Training is given to our employees that have been designed to be specific to the marine construction industry. Such topics include, but are not limited to fall protection, HAZCOM, LOTO, First Aid/ CPR and AED use, Fire Extinguisher use, etc.

Lightning Plan

While work is being performed on the Epic Dock site all PIC's for the job will be notified via email when lightning reaches the following distances:

12 Miles: Warning that lightning is in the area.

10 Miles: Shelter in Place

3 Miles: Lightning is in close proximity of the site.

All Clear: Lightning is outside of the 10-mile radius for 30 minutes.

When lightning is within a 10 miles radius all work shall stop, and employees shall shelter in place until an all clear email is sent. No employees will be allowed outside while under a shelter in place notification. **NO EXCEPTIONS!!!!**

Note: The dredge is still allowed to operate when under a shelter in place. However, no employee is permitted to be outside.



Emergency Action Procedure

For Injuries

Project Location: **Epic Dock**
1741 Navigation Blvd, Corpus Christi, TX 78407

Who to contact and Directions to Medical Facility

- 1. Emergency Contact List and Directions to the designated medical facility(s).

The following is to be completed and returned to Nathan Hawthorne

- 2. Injury / Accident Report (*Supervisor to complete*)
- 3. Employee/Witness Statements (*Injured employee must fill this out*)

The Following to be given to the Doctor or Nurse

- 4. Billing, Post Accident Drug Screen and Alcohol Testing Requirements, Preference to over the counter medication, Back to Work Modified Duty Program and Contacts for WC information and Drug Test Results.
- 5. Modified Duty, Light and Medium accommodations.

What to do if a person is injured at your work location:

- 1. A person, preferably with First Aid Training, is to determine the extent of injury and care for the victim while another person goes to the radio or telephone to call for emergency assistance if needed. The employee administering first aid will follow all guidelines set forth in our First Aid Emergency Procedures and Directives book. (This book will be on site for reference and safety department members shall also carry a copy with them.) When contacting emergency, services be sure to give the exact location, extent of injury, and care being given. **Contact Supervision and Safety immediately!**

Contact	Nathan Hawthorne	HSE Manager		Cell
Contact	Bryan Pattillo	Safety Supervisor		Cell
Contact	Jose Alaniz	Safety Supervisor		Cell
Contact	Paul Bass	Safety Supervisor		Cell
Contact	Samuel Cavazos	Safety Supervisor		Cell
Contact	Jacob Bures	Project Manager		Cell
Contact	Keith Hunter	Superintendent		Cell
Contact	Jorge Cordova	Superintendent		Cell
Contact	Mario Maravilla	Dredge Captain		Cell

- 2. Determine the type of transportation that will be required. Do not attempt to transport a victim if it may cause further complications.... Wait for the ambulance to bring the care to the victim. In the event of a life-threatening emergency on the barges, in the channel, or in a "remote" area immediately contact the Coast Guard for response. If an emergency medical helicopter is sent to pick up injured employee instruct employees on the barges, or area where the helicopter could possibly land to pick up any loose items in and around the area.

- 3. Never attempt to move a seriously injured person. If it has been determined that the victim can be transported by vehicle to the hospital or medical facility, see directions for the clinic and hospital on



page. All non-life-threatening injuries and medical issues will be seen at Occupational Medical Care at **Nueces Occupational Clinic Corpus Christi, Texas** unless directed otherwise by the HSE Department. Please refer to the map in this packet for its location.

4. If the victim requires an ambulance, have a First Aid trained person care for the victim. Have another person to call for help, preferably a person in supervision, while another person watches for and meets the ambulance to help speed the process. Once contact has been made with the emergency facility, it's important to maintain contact to up-date the victim's condition and give additional directions to EMT's if necessary. Please be sure to get the name of the hospital that the employee is to be transported to prior to EMS departure/ transport. The EMS crew will determine the hospital destination based on emergency department criteria, and injured employee's condition. The highest medically qualified individual shall maintain the incident commander role in any medical emergency and can only be superseded by a provider of equal or high level of medical care.

5. In the event that the injury/ emergency involved blood and or other bodily fluids, be sure to properly decontaminate the worksite, equipment and any other exposed areas. All bio-hazardous waste shall be disposed of according to policy. Any employees who could have been exposed to a possible blood borne pathogen (have had a potentially infectious fluid/ material come into contact with their mucous membranes-eyes, nose, mouth, and non-intact skin.) this exposure shall be immediately reported to safety department. Safety department will ensure post exposure evaluations are completed in accordance with company policy.

6. In the event of a workplace fatality the project shall be immediately shut down. Notify the HSE Manager, Project Manager immediately! Call the emergency number and request emergency/ police services, as only they can pronounce death in the field. The deceased employee, accident scene shall be cordoned off. All employees in the immediate work area are to be removed from that location, but must remain on site. Incident investigation procedures must be initiated. Witness/ crew statements will be taken. The foreman will fill out the accident report. No unauthorized personnel shall enter the accident/fatality area and an entry log will be maintained for all persons entering the area. Do not allow non-safety/company representatives to take photos of the deceased, and or accident. If they are not involved in the investigation they have no business in the cordoned off area and could contaminate evidence. Respect and dignity for the deceased shall be maintained at all times.

7. All personnel involved in the emergency response shall be offered post incident counseling if they need it. Responding to emergencies can be very stressful and post-traumatic stress syndrome is possible, if employees appear to be having a difficult time after the incident refer them to the safety department immediately. After all incidents a de-briefing shall be held. This de-briefing will go over the accident, what was done correctly by responders and things that may need to be considered in the event of another emergency. This de-briefing will be a building-up session, it is not a time to criticize the actions of the crew/ responders. The safety department site representative will lead up this discussion.

**Site Address:
1741 Navigation Blvd.
Corpus Christi TX, 78407**

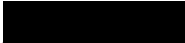
**Use this address when calling 911 and be sure to have someone at the gate to guide fire/ems/
police to scene!**



***Epic Dock
Project Emergency Contact Numbers***

Fire Dept./ Emergency Medical Services:

Corpus Christi Fire Department
2604 Leopard Street
Corpus Christi, Texas



For all Emergencies call 911, not the business phone number above!!!

Police/ Sheriff's Department
Corpus Christi Police
321 John Sartain Street
Corpus Christi, Texas



Hospital/ Clinic

Occupational Medical Care
Nueces Occupational Clinic
7406 Up River Road
Corpus Christi, Texas



Corpus Christi Medical Center
7101 S. Padre Island Dr.
Corpus Christi, Texas



OTHER EMERGENCY AGENCIES

General Land Office State of Texas
414 Travis Street
Port Lavaca, Texas



Coast Guard Corpus Christi
2033 Airline Road
Corpus Christi, Texas



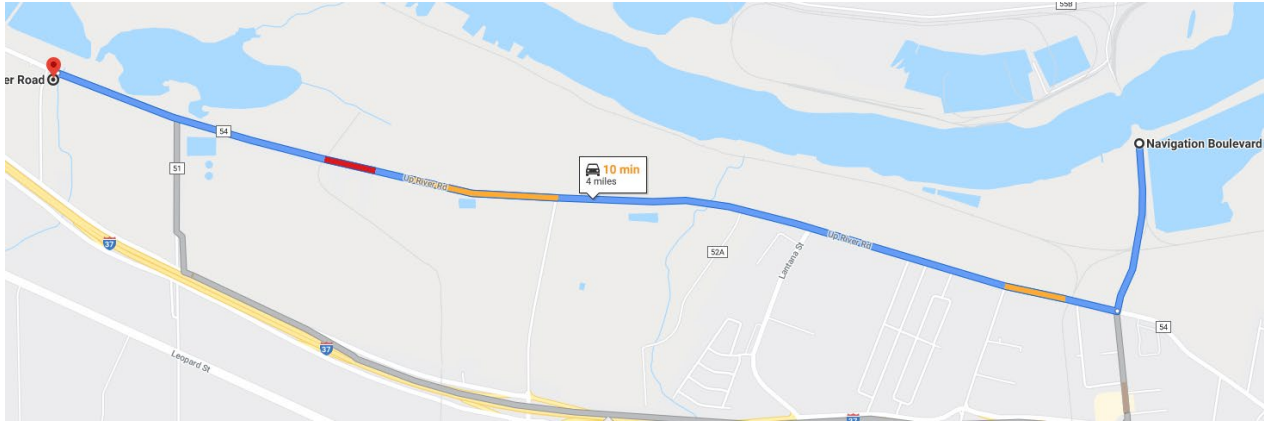
In the event of a Life-Threatening Emergency Call 911 Immediately!!!



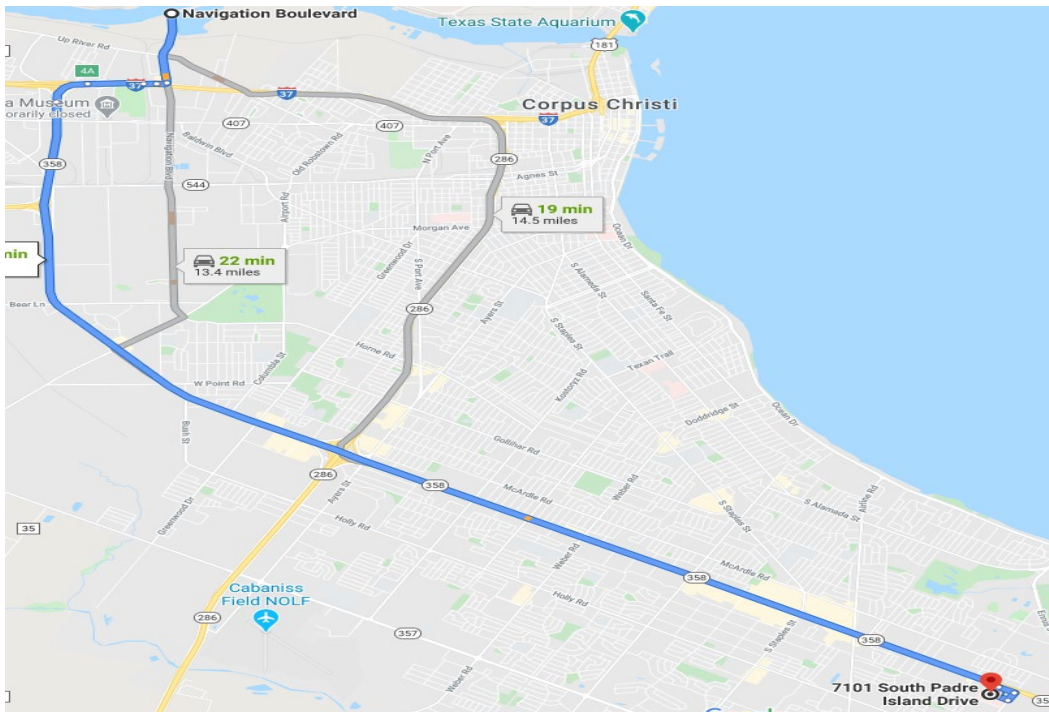
ON-SITE CPR/FIRST AID TRAINED PERSONNEL

Waymon – Mario Maravilla, Ernesto Garza, Rafael Espinoza

Occupational Medical Care 7406 Up River Road, Corpus Christi, Tx- Phone -361-289-2890
1- Head South on Navigation Blvd., 2- Turn Right Up River Rd., 3- Turn Left to your Destination.



Hospital Directions: Corpus Christi Medical 7101 s. Padre Island Dr. Corpus Christi, Tx Phone -361-761-1000 1-Get on I-37 N 2- Follow TX-358 E to S Padre Island Dr.,3-Take the exit toward TX-357/Rodd Field Rd from TX-358 E.,4-Continue on S Padre Island Dr to your Destination.,





Medical Facility Contacts Sheet

To Medical Facility

All BILLING INVOICES ARE TO BE SENT TO ORION MARINE GROUP FOR PAYMENT OR SUBMITTAL TO INSURANCE CARRIER. Please send invoices to the attention of:

Orion Marine Group
159 Hwy 316 Port Lavaca Texas, 77979
Attn: Nathan Hawthorne - HSE Manager

POST ACCIDENT DRUG SCREENS and ALCOHOL BAC TESTS ARE REQUIRED FOR ALL EMPLOYEES WHO ARE INJURED OR INVOLVED WITH EQUIPMENT DAMAGE ON OUR PROJECTS, including vehicular accidents involving Company vehicles. The contact people for the results of these tests are in the following order:

Graham Kenyon - Risk Director
Nathan Hawthorne – Safety Manager [Redacted] (Cell)

PREFER OVER-THE-COUNTER MEDICATION

Since we are a “Drug Free Workplace” and we support and are committed to success in this area, we would prefer over-the-counter medication at a dose not to exceed prescription strength if, and only if, in the opinion of the treating physician, the same or similar acceptable end results are possible when treating our employees. We obviously don’t want to get into the medical profession and do not claim to be well versed in this area of expertise. Therefore, we leave these decisions in the capable hands of your medical professionals. We just want you to be aware of our preferences when possible.

BACK TO WORK MODIFIED DUTY PROGRAM

In an effort to get injured workers back to work, and to OMC as soon as possible, we offer a “back to work” program for our employees for both light and medium duty tasks. We will accommodate and offer work that falls within the treating physician’s requirements in order to keep the employee working with no lost time or revenue.

CONTACT PERSONS FOR WORKER’S COMP INJURIES ARE IN THE FOLLOWING ORDER:

Nathan Hawthorne – Safety Manager
Graham Kenyon – Vice President Risk [Redacted]

(ALL DRUG TEST RESULTS)
Nathan Hawthorne – Safety Manager [Redacted] (Cell)

Thank you for your time and assistance with regard to the above referenced topics.

Nathan Hawthorne



Hazard Prevention and Control

In order to prevent and mitigate Hazards when they develop or could develop on the jobsite use the following items.

- Job Safety Analysis Form: To be completed each day for the tasks to be performed. This is the first line of defense in protecting the crews from hazards on the site.
- Equipment Inspections: All equipment shall be inspected prior to use.
- Hazard Hunts: Shall be done weekly by crew to address conditional hazards that may develop on the site. Hazards identified will be corrected or scheduled to be corrected as appropriate.
- Behavior Based Safety Observation: Using the HCRP book the employees will perform these observations as part of their weekly duties.
- Stop Work Report: Using the HCRP book the employee will document any work or task that had to be stopped and corrected, modified or changed to eliminate or control hazards.
- Near Miss Report: Using the HCRP book when a near miss occurs the employee noting it shall use this form to document it and submit it to the Safety Department for review.

This information is reviewed by the Safety Department Weekly and additional Safety Meetings or training sessions will be developed and performed. This will help ensure that we can eliminate the hazards and track corrective actions.

System to Track Hazard Corrections

An essential part of any safety and health system is the correction of hazards that occur despite the overall prevention and control program. When these are noted via the HCSS App or Hazard Hunts they are placed into our In-Safety Observation System and tracked from input into the system to the implementation of the corrective action items.

Preventive Maintenance Systems

Orion Marine Group practices preventive maintenance as a major role in ensuring that hazard controls continue to function effectively. It also keeps new hazards from arising due to equipment malfunction. Orion Marine's daily equipment checklist ensures documentation of maintenance activity is necessary. The point of preventive maintenance is to get the work done before repairs or replacement is needed. If an equipment inspection reveals an issue that could affect the safety of the operational ability of the equipment it shall be noted on the inspection and reported to the equipment supervisor to be corrected.



Water Rescue Procedures

Remember the four steps to water rescue: Reach, Throw, Row, and Don't Go

- **Reach:** Hold on to the dock or your boat and reach your hand, a boat oar, a pike pole, or whatever you have nearby to the person in the water
- **Throw:** If you can't reach far enough, toss things that will float for the person to grab.
- **Row:** If you're in a boat, use the oars to move the boat closer to the person in the water or call out to a nearby boat for help. Don't use the boat's motor close to a person in the water, they could be injured by the propeller.
- If you call 911, stay calm and give your exact location.
- **Learn first aid:** CPR (Cardiopulmonary Resuscitation) for drowning and how to help someone who has been in cold water and may need treatment for hypothermia.
- All Orion Marine barges are supplied with a small work float, life rings and life lines.
- All Orion Marine employees are supplied and required to wear a Coast Guard approved PFD work vest. Orion Marine's Foremen, Boat Captains and Safety Department are trained in CPR (Cardiopulmonary Resuscitation) for drowning and how to help someone who has been in cold water and may need treatment for hypothermia. Orion Marine also has a highly trained Dive Department at hand.
- All Orion Marine dredge employees perform monthly "Man Overboard Drills" to practice and improve efficiency of water rescue.

Personal Protective Equipment

Employees must abide by the following safety practices regarding personal protective equipment (PPE):

1. All PPE requirements shall be documented on daily JSA's and thoroughly discussed before work begins.
2. Employees must wear the required PPE equipment on the project or jobsite, i.e. respirator, FRC's(when required), etc.
3. Safety glasses must be worn at all times during working hours.
4. Prescription glasses must be safety glasses that can be identified by the ANSI-Z-87.1 stamped on the frames, side shields must be permanent.
5. Hard hats must be worn at all times during working hours.
6. Welders shall be provided with, and shall wear hard hat protection with shield attachments.



7. Fire retardant clothing is recommended for all hot work. 100% cotton clothing is recommended, for welding & cutting operations.
8. When using a cutting torch, cutting goggles MUST be utilized that have a #3 shade, as a minimum.
9. When a face shield is used, it MUST be used with safety glasses or goggles.
10. Employees exposed to 85db of noise level, at an eight (8) time weighted average, and SHALL wear hearing protection, and signs must be posted at jobsite where required.
11. Steel toe boots shall be required.
12. Safety orange reflective clothing required whenever employees are engaged in traffic control activities.
13. Gloves should be used when handling rough or sharp edged material.
14. Coast Guard approved PFD work vests must be worn when working over or near water.
15. Fall protection when working 1.5 Meters or more above a solid surface. A secure railing with 36-42" hand rails in conjunction with a safety harness.
16. Long sleeve shirts are required when welding; they must cover from shoulder to wrist. The sleeves must be buttoned or fastened at the wrist.

Emergency Equipment

All Orion Marine group barges and boats will be equipped with the following emergency equipment:

1. Fire Extinguishers
2. Potable Water
3. First Aid cabinet
4. List of emergency phone numbers and addresses
5. Eye wash stations
6. Life rings
7. Spill booms
8. Diapers
9. PFD's for all employees
10. Life lines
11. Fall Protection
12. Spill Containment container

Emergency Response Plan

In the event of a serious situation that requires emergency response, Orion Marine Group employees will alert their foreman or supervisor immediately. Supervision will then contact the Safety Department Personnel to coordinate emergency procedures. Orion Marine supervision will refer to the Emergency Contact List of Outside Companies, Regulatory Agencies and Emergency response Providers if the serious situation involves Potential Health Risk, Serious Chemical Release, Hazardous material Release, Fire or Explosion, Environmental Cleanup, Chemical Spills and Releases, and other similar emergency needs. This list will be provided at all job sites.



During an evacuation, ALL employees shall proceed to the “Muster Point” to be accounted for. The “Muster Points” will be designated by the job site supervisor to ensure the safest point for ALL employees. **DO NOT LEAVE THE SITE UNTIL YOU HAVE BEEN ACCOUNTED FOR**, if it is quitting time employees are still to stay in place until instructed.

In the case of an employee falling into the water, Orion Marine barges are equipped with a flat work float to assist in rescue. In the event of a crew working on the land side one will also be provided. Life rings, PFD’s and life lines, will also be equipped on the job site.

Hazardous Material Spill Response

Orion Marine Supervisors responding to a hazardous material incident involving a spill or leak should:

1. Survey the area to determine if any employee or personnel came into direct contact with spilled material or if anyone sustained ill effects.
 2. Evacuate exposed employees and direct to a safe location upwind of the spill area to avoid additional exposure.
 3. Check that all employees are accounted for and provide proper first aid treatment if needed and as directed by the chemical label on spilled material or by the material SDS.
 4. Investigate spilled material to determine:
 - (a) Name of material from label, shipping papers, placard, etc.
 - (b) Characteristics of material (color, smell, physical effects, etc.) (**ONLY IF READILY AVAILABLE**).
 5. Notify the proper authorities for assistance, i.e., Fire Department, Coast Guard, Poison Control, Land Commission, local environmental cleanup agencies.
 6. See that measures are taken to minimize and control spill if this can be done without contaminating or overexposing employees.
- Note: Required Personnel Protective Equipment Must be Worn.**
7. Unless the spill or leak presents a serious threat to life and/or property, ensure that leaking container is not removed from the area.
 8. Evacuate all employees not involved in the emergency response to a safe location.
 9. Block off and secure spill area to prevent unauthorized personnel from entering area.

NOTE: Maintain a high regard to personnel safety. Attempt to obtain label and spill information from a safe upwind position.



Fire Response

1. If the fire is small in nature than it shall be extinguished without delay by crew, if the fire is large than the alarm shall be sounded.
2. When alarm is sounded, all employees need to report to muster area to be counted. The HSE Representative will set up an area away from fire to treat injured.
3. All foremen will be responsible for making sure all oxygen, acetylene, and propane tanks are turned off.
4. Foremen will radio all support vessels with fire pumps primed to an area that is safe and near the fire. Support vessels should only attempt to fight the fire if safe to do so; also emergency services shall be summoned to assist with firefighting.
5. Crew Members will dispatch after roll call from the muster area, and gather all fire extinguishers and report to fire area in a safe manner. That group will approach and attempt to extinguish the fire safely. If fire is too big to fight with fire extinguisher, all will report back to muster area.
6. If fire is determined too big to extinguish all personnel will the muster point that is determined by the client.

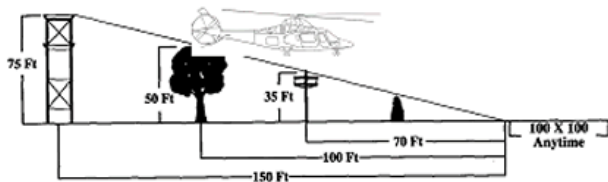
Lighting

In the event the crew could be working in dusk and dawn, there exists a need for lighting. Adequate lighting shall be provided via light plants to ensure that the work area is well lit and works can safely perform all tasks needed during low light conditions with the provided lighting systems placed on the project.

Helicopter Landing Zones

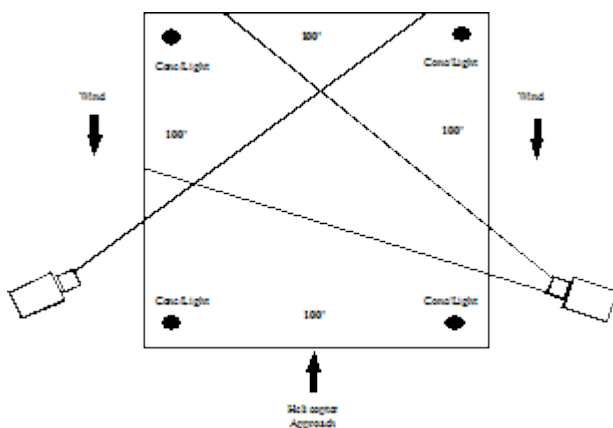
Landing Zone (LZ) Criteria

- 100' Wide X 100' Long
- Level with a firm surface
- Clear of sand, gravel and other debris
- No power lines, trees, poles, buildings, or other overhead obstructions near or in the area
- No vehicles or people within the zone
- Avoid sloped areas



Marking the Landing Zone (LZ)

- Weighted construction cones
- Two vehicles with headlights crossed at the center of the LZ
- Smoke canisters during daylight operations
- Battery operated strobe lights
- Cylume Chem-lite Sticks
- Markings such as barrier tape, flag tape, etc. should not be used



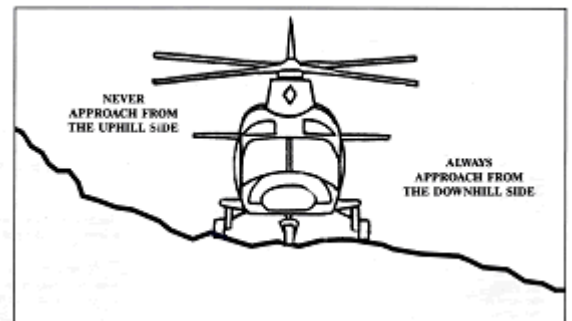
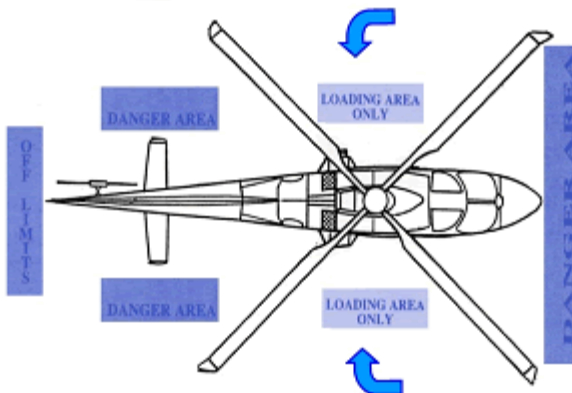
LZ Coordinator Responsibilities

- Command and secure the LZ
- Establish radio contact with aircraft
- Assist pilot in locating the LZ

Keep all bystanders 100' away from the LZ
Keep everyone away from the tail rotor
Contact pilot after landing to determine any safety issues

Helicopter Safety

Approach and depart the aircraft from the side only
Never walk around the tail rotor
Shield your eyes from rotor wash during landing and takeoff
Do not carry anything above your head
Do not approach the helicopter while the blades are turning unless instructed by the Helicopter crew
Do not run towards the aircraft, approach in a calm and slow manner
No smoking anywhere in the vicinity of the aircraft
The pilot and/or medical crew control activity around the aircraft
Secure loose items such as hats, clothing, stretcher sheets, and any other object light enough to be blown into the rotor blades





Required Postings & Labeling

All Orion Marine jobsites have the following posted:

Jobsite:

- OSHA 7 in 1 poster (all OSHA required posted regulations)
- Texas workers compensation information
- Orion Marine emergency phone numbers
- Local emergency phone numbers, (police, fire, ambulance, etc.)
- Local clinic and directions
- All containers labeled with product (gasoline, diesel, potable water, etc.)
- Hazard labels, (flammable, hearing protection, hard hat area, etc.)

Barges:

- OSHA 7 in 1 poster (all OSHA required posted regulations)
- Texas workers compensation information
- Orion Marine emergency phone numbers
- Local emergency phone numbers, (police, fire, ambulance, etc.)
- All containers labeled with product (gasoline, diesel, potable water, etc.)
- Hazard labels, (flammable, hearing protection, hard hat area, etc.)
- All machinery labeled for hearing protection, caution swing radius, etc.



HURRICANE PREPAREDNESS PLAN

Orion Marine Group Corpus Christi, Texas

During Work in the Corpus Christi area we will tow and secure our vessels at the Orion Marine Group Yard in Port Lavaca. We can secure our barge at:

- 1.) Onsite, provided we have approval from North Dock Corpus Christi
- 2.) Towing our barge back to our yard in Port Lavaca

This will obviously depend on several factors in relation to the storm and its projected landfall. Any decision made as to where to secure the barge will be communicated with the client.

MARITIME OPERATIONS

7 Days prior to Estimated Storm Landfall

1. Begin relocating and securing all non-essential equipment in yard.
2. Begin pre-planning essential equipment storm placement, and coordinate with projects to ensure which equipment will be stored on the project and what will be moored at Port Lavaca South Yard.
3. Survey Yard for potential hazards that need to be remediated prior to storm arrival.
4. Fill diesel and gasoline tanks for equipment usage in the yard.
5. Test and inspect all generators and repair if necessary to ensure they are operational.
6. HSE Department shall inspect Emergency Response Trailer and ensure adequate supplies are on hand and ready for post storm response.

72 Hour Prior

Upon Issuance of Hurricane WATCH –Tim McCoy the Primary contact

Chris Boyd is the Secondary Contact.

Nathan Hawthorne is the Safety Manager, Contact

1. Determine the safest mooring location and scheme for all vessels that are on site.
2. On site tug boats need to be fueled.
3. Notify Chris Boyd (Port Captain) if any towing services may be required for a possible evacuation.
4. Monitor the advance of the storm via Internet websites (www.nhc.noaa.gov) and (www.click2weather.com) and weather radio.
5. Based on weather reports, order vessels located at jobsite to begin movement to the yard and/or protected sites coordinated through Tim McCoy.
6. Based on weather reports, begin securing/suspending project operations and begin mobilizing job site equipment to high ground.
7. Notify available crewmembers of their anticipated work schedules and, if needed, call them in to work to assist in hurricane preparations.
8. Call rental equipment suppliers to have equipment removed from rental. Move larger equipment onto higher grounds.

Upon Issuance of a Hurricane WARNING

1. Complete the movement and securing of all vessels. Allowances must be made in the mooring scheme for extreme high and low water.



2. Complete mobilizing jobsite equipment to high ground
3. Boom down all cranes that remain on job site.
4. Fuel all on site equipment.
5. Purchase any materials necessary to secure jobsite.
6. Remove all job files and computers from jobsite office trailer for storage at the main office.
7. Shut off all electrical supply of trailers at main breaker panel.
8. Shut off water supply to trailers at service meter.
9. Take detailed digital photos of pre-storm jobsite and equipment conditions.
10. Make storm preparations well enough in advance and allow crewmembers to have enough time to make personal storm preparations.

After the Storm Has Passed

1. Survey and evaluate the safeness of the jobsite.
2. Photograph and document any and all damages.
3. If safe, contain and clean up any pollution that has occurred as a result of our equipment.
4. Begin debris cleanup of jobsite
5. Return vessels and equipment to jobsites.
6. If safe, restore water and electrical supply
7. All personnel must be prepared to go to work immediately in recovery mode for Orion Marine equipment or any outside company needing our services.

IMPORTANT NOTE: BRIDGES CLOSE WHEN WINDS REACH 40 MPH

IMPORTANT NOTE: EVACUATION PLANS ARE AVAILABLE ON THE INTERNET OR NEWSPAPER.

ALL EMPLOYEES

Plan now for you and your families' safety and course of action, should a storm threaten our area. Don't wait until it's too late. Follow the suggestions made by local officials and those published each year in our local newspapers for your convenience approximately June 1. Other information sources include Internet websites, television or radio. They can also provide the latest information on approaching tropical storms or hurricanes.

Upon Issuance of a Hurricane WATCH / WARNING

1. Be careful. You are the person most responsible for the safety of, not only yourself, but also, that of your fellow workers.
2. Work quickly and diligently at the direction of your supervisor. Be willing to "pitch in" with tasks, which are not ordinarily the responsibility of your department.
3. Upon being evacuated from the yard, job site or office, go to a place of safety and sit tight. This should be a location decided upon well in advance of a storm threat. There is absolutely nothing else you can do during the storm. Don't try to be a hero.
4. Keep in mind that as winds reach 40 mph, the bridges in the Corpus Christi area will be closed. Plan accordingly.
- 5.

At Home Preparation

"TO DO" CHECKLIST:

- Know the storm surge history and elevation of your area.



- Learn a safe primary and alternate route inland.
- If your plan calls for evacuation, decide ahead of time where you are going and know what you should bring with you.
- Review evacuation routes with family members.
- Make sure all family members know safest place to be in house during hurricane, if you decide not to evacuate.
- Inventory your personal and household property.
- Know the location of your company phone directory to contact immediate supervision and/or other employees.
- Fully charge cell phones.
- Fill up vehicle(s) with gas.
- Stay tuned to local weather stations with a battery operated radio.
- Make sure all family members have phone numbers of relatives, in state and out of state.
- Secure all loose items and materials in the yard that may become flying projectiles.
- Board up windows to prevent damage to the interior of the house.
- Stay inside! Leave ONLY if instructed to evacuate.
- Be sure that you are well stocked on emergencies goods and supplies.

EMERGENCY SUPPLIES CHECKLIST (not inclusive of all items that may be needed):

- Drinking water (1 gallon per day per person)
- Canned foods (all types)
- First aid supplies
- Flashlight(s)
- Battery operated radio
- Pocket knife
- Batteries
- Generator
- Towels
- Blankets
- Foul weather gear
- Change(s) of clothing
- Garbage bags
- Cooking utensils
- Sanitary supplies (soaps, toothbrush, toothpaste, etc.)
- Matches / candles
- Prescription medications
- Fire extinguisher
- Other items as may be required

After the Storm Has Passed

1. Be extremely cautious when entering or traveling around any damaged areas while on foot or in a vehicle.
2. Do not enter any damaged buildings at Orion Marine prior to being instructed to do so by supervisory personnel. This instruction should only come after an inspection by Operations personnel and the Safety Department. Even after the okay is given, be careful. It is entirely possible that, in addition to the hazards of broken wires and pipes, animals such as snakes,



raccoons, rats, etc. may have been driven into the buildings by the high water that would present additional dangers.

3. Contact your supervisor to determine when you should report back to work.

Appendix 1

HURRICANE SUPPLIES – Port Lavaca South Yard

The following are items that are suggested to be on-site at the marine yard for “Hurricane Supply”:

- 25 Barge Lines 1 1/2 “X 50’ poly with a 3’ eye in one end.
- 20 6-Volt Flashlights and 48 each 6 volt batteries for lights.
- 5 Florescent Lanterns, such as used in camping, as there may be no power for a few days.
- 10 Five-Gallon Jugs of water for crews when they come back to work as water may be out as well.
- 5 each Five-Gallon Water Coolers for workers
- 10 Rolls (20’ X 100’) of Visqueen to cover areas with broken windows or missing parts of roof.
- 10 Tarps of differing sizes (10’ X 10’ to 30’ X 30’) to be used to cover damaged areas.
- 2 Cases of Heavy-Duty Plastic to cover office equipment.
- 2 Cases of 1/ 4“and 3/ 8” Manila Rope to tie down tarps and equipment.
- 25 or 30 each Letter and Legal Size Cardboard File Boxes, for files that are to be moved off site via rental truck or other means.
- 1 Case of Duct Tape (24 Rolls) for taping windows.
- 5 each, 2-Ton Come-a-longs – Wyeth
- 10 each, Tie Down Ratchet Straps
- 4 each, Generators plus emergency lights and cords.
- Pollution containment boom
- Pollution absorbent pads.
- PFDS – Rain gear, searchlights, life rings, etc.
- Orion Safety Department Emergency Response Trailer.

Appendix 2



EMERGENCY NUMBERS – Corpus Christi Texas

See page 11 for Nueces Occupational Clinic Emergency Contact Information

Following are emergency phone numbers for the Corpus Christi Texas area:

- Corpus Christi Fire Department 911 or [REDACTED]
- Clean Channel Association [REDACTED]
- Clean Harbors Environmental Services [REDACTED]
- Garner Environmental Services [REDACTED]
- Nueces County Emergency Network [REDACTED]
- Nueces Ambulance Dispatcher [REDACTED]
- Corpus Christi Fire Department [REDACTED]
- Corpus Christi Police Dispatcher [REDACTED]
- Nueces County Sheriff Dispatcher [REDACTED]
- KTRH Main Switchboard [REDACTED]
- LEPC – North Channel / Highlands 911 [REDACTED]
- Occupational Medical Care (Clinic) [REDACTED]
- Orion Marine (Safety-Bryan Pattillo) [REDACTED]
- Orion Marine (Safety-Jose Alaniz) [REDACTED]
- Orion Marine (Safety-Paul Bass) [REDACTED]
- Orion Marine (Safety-Samuel Cavazos) [REDACTED]
- Orion Marine (Keith Hunter) [REDACTED]
- Orion Marine (Jorge Cordova) [REDACTED]
- Orion Marine (VP – Mark Slider) [REDACTED]
- Orion Marine (Port Capt- Chris Boyd) [REDACTED]
- Orion Marine (Operations-Tim McCoy) [REDACTED]
- Orion Marine (Project Manager-Jacob Bures) [REDACTED]
- Orion Marine (Safety Manager-Nathan Hawthorne) [REDACTED]
- Orion Marine (Operations Manager-Glen Kurtz) [REDACTED]
- Orion Marine Group (Main Office) [REDACTED]
- Poison Control Center [REDACTED]
- Texas General Land Office [REDACTED]
- Texas General Land Office (Region 2)(La Porte) [REDACTED]
- U.S. Coast Guard MSO Galena Park [REDACTED]
- U.S. Coast Guard MSO Corpus [REDACTED]
- U.S. Coast Guard MSO Houston [REDACTED]