JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 1 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

Section 43.0 CONFINED SPACE ENTRY

A. Purpose

The purpose of this procedure is to provide training for **JAGUAR ENERGY SERVICES**, **LLC** personnel on confined spaces and associated hazards.

1. This procedure has been developed to protect the health and well being of **JAGUAR ENERGY SERVICES**, **LLC** personnel, in the event that they are required to enter confined spaces to clean, inspect, repair, perform testing activities, or rescue personnel. This procedure is mandated by OSHA CFR 29 1910.146.

B. Scope

This procedure applies to all **JAGUAR ENERGY SERVICES**, **LLC** jobs and activities involving work in, or around, confined spaces.

- (a) All confined spaces are covered by this procedure.
- 2. This procedure includes guidelines for recognizing confined spaces, and preventing employee exposure to hazardous conditions associated with confined spaces.

A. Responsibilities

- 1. The Safety Coordinator or his/her designee has authority to, and will be responsible for:
 - (a) Making decisions to ensure the success of this program.
 - (b) Will review this policy every 6 months to ensure the effectiveness and efficiency. The Safety Coordinator will revise the areas of the program that is necessary.
 - (c) Ensuring that only qualified entrants enter the confined space.
 - (d) Ensuring that employees have completed the training required by this procedure.
 - (e) Documentation of this training.
 - (f) Implementing the Corporate Confined Space Entry Procedure.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 2 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

- 2. The Safety Director is responsible for providing assistance in the implementation of this policy.
- 3. The Supervisor is responsible for providing assistance in the implementation of this policy.
 - (a) Additional responsibilities include:
 - (i) Determining which work areas would be considered a confined space under this procedure.
 - (ii) Monitoring all confined entry projects for compliance.
- 4. **JAGUAR ENERGY SERVICES, LLC** personnel are responsible for recognizing and avoiding confined spaces and the associated hazards.
 - JAGUAR ENERGY SERVICES, LLC personnel are also responsible for adhering to the requirements of this procedure, by not entering into hazardous confined spaces unless they have been trained and designated as a qualified entrant, and JAGUAR ENERGY SERVICES, LLC's Confined Space Entry Procedure is followed.

B. Procedure

- 1. To implement this program JAGUAR ENERGY SERVICES, LLC will:
 - (a) Make the written program available for inspection by employees and their authorized representatives, by contacting the Safety Director.
 - (b) Conduct a hazard assessment on each job site before starting work to determine if any spaces are permit-required confined spaces.
 - (c) Inform potentially exposed employees of the permitrequired confined spaces.
 - (d) Determine if employees will not enter permit spaces, and what effective measures will be taken to prevent employees from entering permit spaces.
- 2. The Written Confined Space Program will be reviewed and updated under these circumstances:
 - (a) If after the review of a confined space operation it is determined that the program does not provide sufficient

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 3 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

protection for the employees, the program will be updated as necessary to be in compliance.

- (b) The occurrence of an injury or near miss review indicates a change is necessary.
- (c) If an unauthorized entry of a confined space occurs.
- (d) Hazards not covered in the permit.
- (e) Any employee complaint regarding confined entry operation.
- (f) These updates will be done before subsequent entries are authorized.
- (g) A review of the confined space program will be conducted annually, using canceled permits. (Only an entry has been made within the year being reviewed.)
 - (i) The program will be revised as necessary to bring it in compliance.
 - (ii) Canceled entry permits must retained for one (1) year after each entry.
- (h) If there is a change in OSHA CFR 29 1910.146 regulations.
- (i) The person monitoring the space and/or Entry Supervisor must inform the entrants of potential hazards and the results of tests.
- (j) Entrants or their representatives will be given an opportunity to participate and review calibrated air monitoring data before entry.
- (k) The entrants must participate in the permit review and signing.
- (I) Ventilation must be used and testing must be conducted before entry and during work if the air quality makes it necessary.
- (m) Air quality is continuously monitored while entrants are entered in the confined space. (Additional air monitoring can be requested at anytime by employees of confined spaces)
- (n) Employees will be given opportunities to reevaluate the space if there is any reason to believe changes have occurred.
 - (i) The plan will be updated if anyone identifies changing conditions which cause the current plan to lose its maximum protection.
- (o) Employees or their representatives are entitled to request additional monitoring at any time.

3. Confined Space Identification

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 4 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

JAGUAR ENERGY SERVICES, LLC personnel must be able to recognize and avoid entering a confined space.

- (a) A **confined space** refers to any work environment, above or below the ground, which is totally or partially enclosed and large enough and so configured that an employee can bodily enter and perform assigned work.
 - (i) These spaces will have limited or restricted means for entry or exit.
 - (ii) These spaces may contain an accumulation of toxic or explosive gases or vapors which could be life threatening to personnel, therefore are not designed for continuous employee occupancy.
- (b) Examples of hazardous confined spaces that **JAGUAR ENERGY SERVICES**, **LLC** personnel may encounter include:
 - (i) Oil tanks
 - (ii) Engine air inlet and exhaust ducts
 - (iii) Boilers
 - (iv) Storage bins
 - (v) Silos
 - (vi) Hoppers
 - (vii) Storage Vessels
 - (viii) Process tanks
 - (ix) Vessels
 - (x) Vaults
 - (xi) Ventilation Ducts
 - (xii) Boilers
 - (xiii) Pits
 - (xiv) Trenches
 - (xv) Pipelines
 - (xvi) Manholes
 - (xvii) Tunnels
 - (xviii) Wells
 - (xix) Furnaces
 - (xx) Enclosed conveyors
 - (xxi) Sumps
 - (xxii) Degreasers
 - (xxiii) Compartments
 - (xxiv) Excavations

4. Hazard Identification

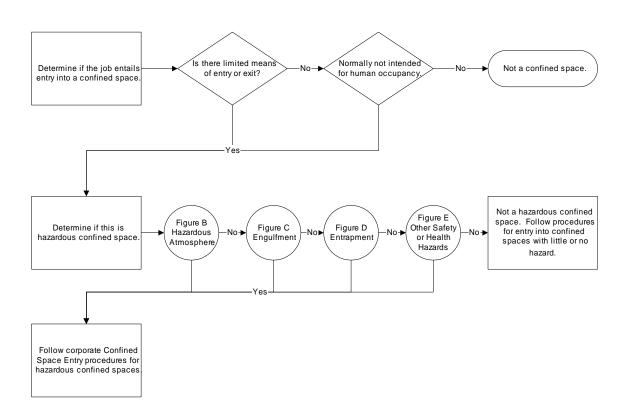
Prior to beginning work, **JAGUAR ENERGY SERVICES**, **LLC** personnel must evaluate their work areas to determine the

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 5 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

presence of a confined space. Figure A depicts the decision logic to evaluate a confined space.

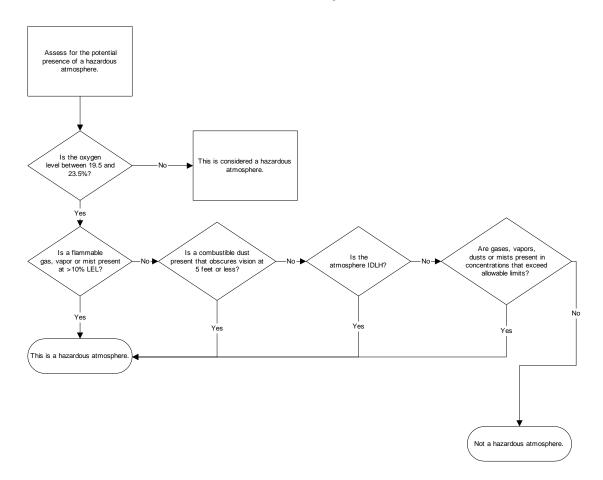
- (a) Determine if work area is a confined space. Identify the types of hazardous conditions that may be encountered inside the space.
- (b) Refer to Flow Charts Figures A, B, C, D, and E on the next pages.
- (c) This determination is be conducted outside of the space with individuals who are knowledgeable about the materials, internal configuration, and equipment that may be encountered inside the space. Examination of external hazards will also be addressed. These include but are not limited to pedestrians, vehicles, heavy equipment, etc.

Figure A Confined Space Identification



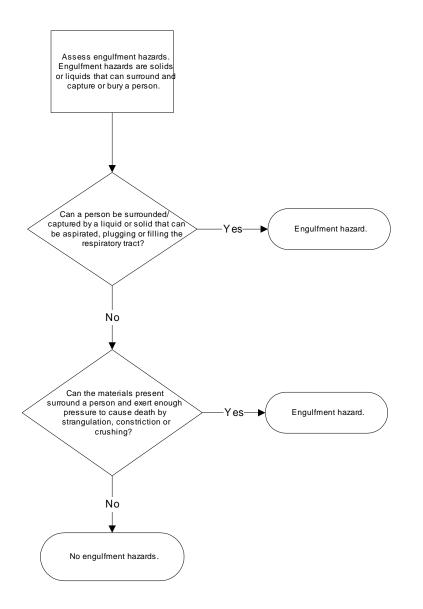
JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 6 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

Figure B Hazardous Atmospheres



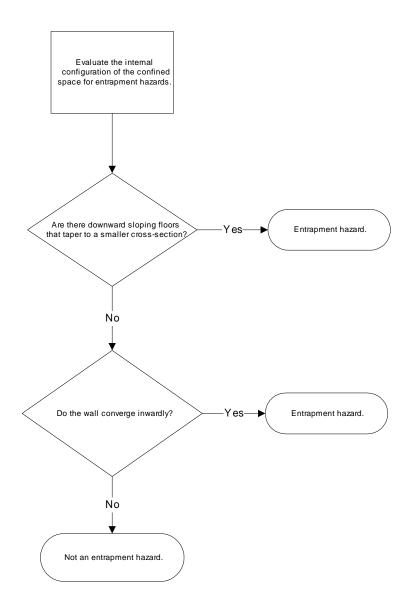
JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 7 of 38
Reviewed By: Jared Monk	Date: 01/10/2022





JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 8 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

Figure D Entrapment



JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 9 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

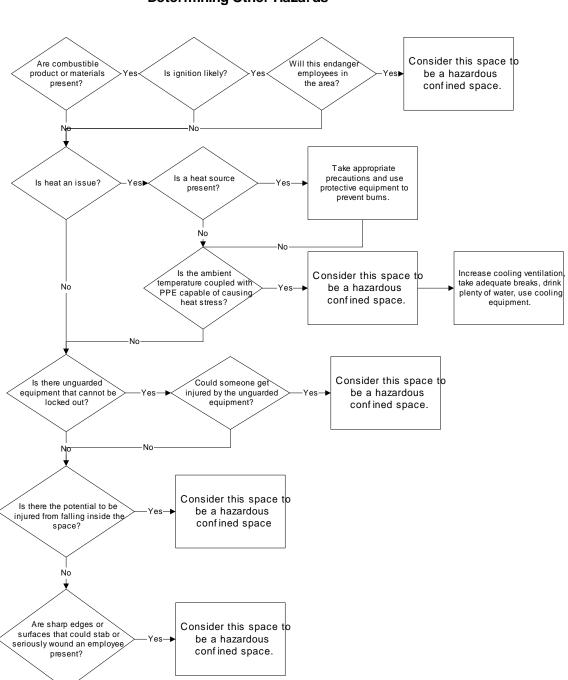


Figure E Determining Other Hazards

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 10 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

1. Hazards commonly encountered in confined spaces include:

- (a) Inhalation of toxic vapors or gases.
 - (i) This may occur when the confined space is improperly cleaned or ventilated.
 - (i) Even if the space is declared safe, release of toxic substance (from sludge or scale) may still occur within the work space.
 - (ii) Suffocation resulting from a lack of oxygen within the confined space.
 - (iii) Oxygen enrichment must be maintained between 19.5 and 23.5 percent.
- (b) Skin contact with irritating or corrosive agents.
- (c) Exposure to excessive noise, vibration, extreme
- temperatures, and sudden changes in pressure, etc.(d) Fire and/or explosion.
- (e) Injury resulting from slips or falls, improper use of equipment, falling objects, electrical shock, etc.
- 2. It is important to consider all potential hazards and to assess whether there is a potential for conditions to change within the space.
 - (a) For example, if a hazardous chemical is present in a closed system, determine if there are any leaks or potential for failures in the system that would allow hazardous atmospheres to develop within the space.
- 3. Considerations when conducting a hazard assessment of confined spaces include:
 - (a) Likelihood of hazard occurrence.
 - (b) Consequences of hazard occurrence.
 - (c) Magnitude of hazard.
 - (d) Potential for changing conditions.
 - (e) Strategies for controlling hazards.
 - (f) Plan for emergency rescue.
- 4. If the confined space is determined to be a hazardous confined space as defined by this procedure, then employees must not enter into the space unless they are trained to the qualified entrant level.
 - (a) **JAGUAR ENERGY SERVICES, LLC** Personnel must follow the Corporate Confined Space Entry Procedure for entry into a hazardous confined space.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 11 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

5. Entry Requirements for Non-hazardous Confined Spaces JAGUAR ENERGY SERVICES, LLC personnel who enter confined spaces with no potential hazard associated with the entry, and where entry does not require any special modifications of work procedures, must ensure that the following requirements are implemented:

- (a) Entrant is trained to the awareness level.
- (b) Adequate ventilation is maintained throughout the entry.
- (c) A hazardous atmosphere will not develop during the entry.
- (d) Personal protective equipment required for the job is worn.
- (e) Necessary safety procedures are followed.
- (f) Notification is made to the client or site personnel that a **JAGUAR ENERGY SERVICES**, LLC employee will be working inside of a confined space.
- (g) An attendant is standing outside the confined space at all times.
- (h) A communication system exists for alerting the attendant regarding emergencies or hazardous situations.

6. Personnel Responsibilities

Only designated personnel will be utilized as "entry supervisors," "attendants," "authorized entrants" and "testers.".

- (a) An Entry Supervisor is the person in charge of the entry operation.
- (b) The Safety Coordinator or his/her designee will insure that each Entry Supervisor is properly trained and knows his/her responsibilities.
- (c) The responsibilities of the Entry Supervisor will be, but not limited to:
 - (i) Coordinate entry operations with the host company or any other company involved with the project.
 - (ii) When employees of more than one employer (contractor) work in the same permit space the Entry Supervisor shall:
 - Inform the contractor that the workplace contains permit spaces, and that entry into permit spaces is allowed only by complying with a permit space program.
 - (ii) Apprise the contractor of the elements, including any identified

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 12 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

hazards and the host contractor's experience, with the space. Apprise the contractor of any

- (iii) Apprise the contractor of any precautions or procedures implemented by the host contractor for employee protection.
- (iv) Coordinate entry operations with the contractor, when both host contractor personnel and contractor personnel will be working in or near permit spaces.
- (v) Debrief the contractor at the conclusion of the entry operations regarding the permit space program followed, and any hazards confronted or created during entry operations.
- (iii) Inform the host company of details of the space program that they will follow, and of any hazards confronted or created in permit spaces, either through a debriefing or during the entry operation.
- (iv) Issue or obtain the confined space entry permit.
- (v) Know, be able to recognize, and understand, the hazards that may occur during an entry.
- (vi) Verify, by checking that the appropriate entries have been made on the permit, that all tests specified by the permit have been conducted.
- (vii) That all procedures and equipment specified by the permit are in place before endorsing the permit and allowing entry to begin.
- (viii) Terminate the entry and cancel the permit, if a condition that is not allowed under the entry permit, arises in or near the permit space.
- (ix) Verify that rescue services are available and that the means for summoning them are operable.
- (x) Remove unauthorized individuals who attempt to enter the permit space during operations.
- (xi) Determine that entry operations remain consistent with terms of the entry permit, and acceptable entry conditions are maintained.
- (d) An Attendant is an individual stationed outside one or more permit spaces and monitors the authorized entrant(s), and performs all attendant's duties assigned in

All Rights Reserved

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry	
Original Date of Implementation: October 2013	Plan Revision Date:	
New Effective Date:	Page 13 of 38	
Reviewed By: Jared Monk	Date: 01/10/2022	

the employer's permit space program. An Attendant will only monitor one (1) entry at a particular time. **Under no circumstance will the attendant monitor multiple entries**.

- (e) The Safety Coordinator or his/her designee will ensure that each attendant is properly trained, and knows and understands his/her responsibilities.
- (f) The responsibilities of an Attendant are, but not limited to:
 - (i) Know, be able to recognize, and understand the hazards that may occur during an entry.
 - (ii) Be aware of possible behavioral effects of hazard exposures.
 - (iii) If more than one confined space is being monitored by a single attendant, a handheld portable radio will be used to summon help in case of an emergency.
 - (i) This will not allow the attendant to be distracted from any other responsibilities.
 - (iv) As long as entrants remain inside the permit required confined space, an attendant must be stationed outside.
 - (v) Continuously maintain an accurate count of entrants.
 - (vi) Remain outside the permit space during entry until relieved by another attendant.
 - (vii) Communicate with the entrants as necessary to monitor their status, and to alert them of the need to evacuate if needed.
 - (viii) Monitor activities inside and outside the space to determine if it is safe, and orders evacuation immediately under any of the following conditions:
 - (i) If the attendant detects any prohibited condition.
 - (ii) If the attendant detects the behavioral effects of hazard exposure in an entrant.
 - (iii) If the attendant cannot attend effectively and safely perform all duties required.
 - (iv) Summon the rescue and other emergency services as soon as it is determined that entrants may need assistance to escape.

JAGUAR ENERGY SERVICE 310 N Parkerson Ave Crowley, LA 70526	S, LLC		Confined Space Entry
Original Date of Implementa New Effective Date:	tion: Octo	ber 2013	Plan Revision Date: Page 14 of 38
Reviewed By: Jared Monk			Date: 01/10/2022
	(ix)	Take action	when unauthorized persons
	(),()		r enter a permit space while entry is
	(x)	employer's	n-entry rescues as specified by the rescue plan.
	(xi)	attendant's	 duties that might interfere with the primary duty to monitor and protect ed entrants.
(g)	by the	thorized Entrar employer to ent	nt is an employee who is authorized ter a permit space and perform
(h)	The Sa that all	-	or or his/her designee will ensure rants are properly trained, know,
(i)	The real	sponsibilities of to:	Authorized Entrants are but not
	(i)	conditions to	rnal conditions cause hazardous o develop inside the space, all all be required to evacuate the
	(ii)	•	azards that may be faced during
	(iii) (iv)	Communica enable the a and to enab	er use of the equipment required. Ite with attendant as necessary to attendant to monitor the entrants ole the attendant to alert entrants of evacuate as required.
	(v)	Alert the att (i) T s	endant whenever: he entrant recognizes any warning ign or symptom of exposure to a angerous situation.
		(ii) T	he entrant detects a prohibited ondition.
	(vi)	possible wh	
		a	n order to evacuate is given by the ttendant or supervisor.
		S	he entrant recognizes any warning ign or symptom of exposure to a angerous situation.
		(iii) T c	he entrant detects a prohibited ondition.
(j)	the cor	try Supervisor	n evacuation alarm is activated. will ensure that the person testing nditions will be trained and knows

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 15 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

(i) Testing will be done by the client or third party person.

7. General Rules For Hazardous Confined Space Entry

- (a) In the event of pedestrian or vehicle traffic in the area of the entry project, barriers will be placed as necessary to protect entrants from these external hazards, and to inform employees and other personnel of the existence of permit-required confined space operations.
- (b) Before any employee is allowed to enter a confined space classified as hazardous, a Confined Entry Work Permit must be completed and signed by JAGUAR ENERGY SERVICES, LLC's supervisor or lead Service Representative.
- (c) The purpose of the permit is to ensure that all the necessary precautions have been taken, and that all proper procedures are followed.
- (d) Rescue services will be provided by the host facility. Rescue services must be present any time employees are working in IDLH environments.
- In most cases the client's permit procedure will be used, however if the client has none or doesn't require one, JAGUAR ENERGY SERVICES, LLC's permit system will be used.

8. Hazardous Confined Space Entry Permit System

- (a) The following procedure for implementing the Confined Space Entry will assure that conditions in the permit space are acceptable for entry and during the duration of the entry.
- (b) Issuing of the permit:
 - (i) There must be two copies of the Work Permit made.
 - (ii) The information contained on both copies must be completed and identical.
 - (iii) In most cases, the client's representative will issue the permit.
 - (iv) The supervisor or person in charge will inspect the work area after it has been prepared for entry and before the permit is issued.
- (c) Multi-Employer Entry
 - (i) Other employers working in the same confined space must also be listed on the permit and must adhere to the contents of this policy.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 16 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

9. The Confined Entry Permit consists of the following information:

- (a) Purpose of The Permit:
 - (i) Space to be entered
 - (ii) This section identifies what the permit is being issued for.
 - (iii) The permit is valid only for the items checked by the supervisor.
- (b) Hot Work Permit:
 - (i) Refers to any work involving flame, arc, spark, or other source of ignition.
- (c) Cold Work Permit:
 - (i) Refers to any work not involving sources of ignition, such as cleaning a vessel or tank.
- (d) Permit to Open:
 - (i) Grants permission to open a vessel or tank, but not to enter.
- (e) Permit to Enter:
 - (i) Grants permission to enter.
 - (ii) If this box is checked, the Permit To Open must also be checked.
- (f) Nature and Location of work:
 - (i) This section describes what kind of work is to be done, and the location the work is to be done in.
 - (ii) This description will also include the particular piece of equipment or object to be entered or worked on.
- (g) Acceptable entry Conditions
 - (i) This section identifies acceptable entry conditions.
- (h) Date:
 - (i) This identifies the day for which the permit is issued.
 - (ii) Each permit is valid for one day only.
 - (iii) If the work cannot be completed in one day, a new permit must be issued for each additional day.
- (i) Time Permit İssued:
 - (i) This identifies the time the permit is issued.
 - (ii) If the work is interrupted for more than two hours during the day, a new permit must be issued by the supervisor
- (j) Time permit expires:

JAGUAR ENERGY SERVICE	S, LLC		Confined Space Entry
310 N Parkerson Ave Crowley, LA 70526			
Original Date of Implementat	ion: Octobe	er 2013	Plan Revision Date:
New Effective Date:			Page 17 of 38
Reviewed By: Jared Monk			Date: 01/10/2022
	(i)	This section ider	tifies the time that the permit
	()	expires.	
		.,	e time is needed to complete
			ork during the day, the
		-	tion time must be extended
			itialed by the supervisor or
	Employe		n in charge.
(k)		es Assigned:	tifies all of the omployees whe
	(i)		itifies all of the employees who not the work and the
		responsibility of e	
(I)	Hazards		
(')	(i)		cribes the safety hazards
	(•)		he work, such as oxygen
			ustible gases or vapors, toxic
		•	slippery bottom inside the
		tank, etc.	
(m)			sures to control or eliminate
		bace hazards.	
	(i)		tifies the pre-entry steps taken
	(!!)	to prepare the sp	•
	(ii)	A check must ap before the permi	pear to the right of each item
(n)	Tests co		t will be issued.
(11)	(i)		ved in the confined entry
	(1)		he right to witness the testing,
		•	ied the results if requested.
	(ii)		uments the testing of the
		atmosphere with	in the confined space.
	(iii)		as conducted is identified by
			e that each test was
	(:)	•	he results of each test.
	(iv)		s are provided for retesting of
(\mathbf{a})	Tooting	•	during the work period.
(o)		Equipment Used: This section ider	tifies the type of equipment
	(i)		test the atmosphere inside
			ce, or atmosphere of the work
		area.	
	(ii)		er and date of calibration of
			ice must also be recorded.
	(iii)	If the testing dev	ice does not require
		calibration, NA w	vill appear in the calibration
	•	column.	
(p)	Signatur	e of Tester(s):	

JAGUAR ENERGY SERVICE 310 N Parkerson Ave	S, LLC		Confined Space Entry
Crowley, LA 70526			
Original Date of Implementat New Effective Date:	ion: Octol	oer 2013	Plan Revision Date: Page 18 of 38
Reviewed By: Jared Monk			Date: 01/10/2022
	(i)	• • • • • •	no performed the testing sign their name(s) in this
	(ii) (iii)	Signatures must a The Entry Superv	appear on both cards. visor in charge has been ponsibility of performing these
	(iv)	In the event he is have the required	not qualified, or does not l equipment to conduct these Safety Company may be
	(v)	In most cases the function.	e client will perform this
(q)	Rescue	Services	
	(i)		tifies the Rescue Service and number.
	(ii)	The means of sur	mmoning the Rescue and ces is to be listed.
	(iii)		le equipment is to be listed.
(r)	Commu (i)		quipment that will be used by trants and attendants to
(s)	Alarm S (i)	Systems	tifies the types of alarms to be
(t)	Fire Pre	ecautions:	
	(i)	This section desc	ribes the precautions that to protect against fire or
(u)	Signatu (i) (ii)	re of Attendant: The person(s) wh watch must sign I The hole watch p	no is the designated hole his/her name(s) in this space. erson(s) can also be the fire
	(iii) Signatu	permit.	appear on both copies of the
(v)	Signatu (i)		ntrant(s): sponsible for doing the work ed space must sign in this
	(ii)	This signature ac person(s) is awar	knowledges that the e of, and understands the ined on this permit.

JAGUAR ENERGY SERVICE 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry		
Original Date of Implementa New Effective Date:	iginal Date of Implementation: October 2013 w Effective Date:		
Reviewed By: Jared Monk		Date: 01/10/2022	
	(iii)	Signatures must appear on both copies of the permit.	
(w)	Signat	ure of the Entry Supervisor:	
	(i)	Once the supervisor is confident that all the necessary pre-entry steps have been taken, he/she signs the permit.	
	(ii)	This permit will not be valid unless the supervisor's signature is on both copies of the permit.	
(x)	Rema	rks:	
	(i)	Additional space is provided for any instructions or additional information that the supervisor feels is necessary to ensure a Safe Entry into, and work within, the confined space.	
	(ii)	The JAGUAR ENERGY SERVICES , LLC person in charge will make sure all employees understand any and all information contained in this section.	
	(iii)	If additional space is needed for signatures and positions assigned, a roster may be attached or the back of the permit to be used.	

JAGUAR ENERGY SERVIC 310 N Parkerson Ave Crowley, LA 70526	ES, LLC	Confined Space Entry		
Original Date of Implement New Effective Date:	iginal Date of Implementation: October 2013			
Reviewed By: Jared Monk		Page 20 of 38 Date: 01/10/2022		
JOB COMPLETED DATE: PURPOSE OF ENTRY:	OURS ONLY. ALL PERMI	PERMIT T COPIES REMAIN AT SITE U SCRIPTION:		
HAZARDS				
PRECAUTIONS AND PPE * BOLD DENOTES MINIM REVIEWED PRIOR TO EN	UM REQUIREMENTS TO	BE COMPLETED AND		
REQUIREMENTS	DATE TIME	•	DATE	TIME
Lock Out/De-energize/Tr	y	Full body Harness w/"D"	. <u> </u>	
Line(s) broken-Capped-		Emergency Escape Lifelines		
Purge-Flush and Vent Ventilation		Fire Extinguishers		
Secure Area (post and Fl	au)	Lighting (Explosive Proof)	<u> </u>	
Breathing Apparatus	lagy	Protective Clothing		
Resuscitator - Inhalator		Respirator(s) (Air Purifying)		
Standby Safety Personne	el	Burning and Welding Permit		
Note: Items that do not app ** RECORD CONTINUOU	bly enter N/A in the blank			
Continuous Monitoring	Permissible			
Test(s) to be taken Percent of Oxygen	Fntry I evel 19.5% to			
Lower Flammable Limit	Under 10%			
Carbon Monoxide	+35 PPM			
Aromatic Hydrocarbon	+1 PPM * 5			
Hydrogen Cyanide	(Skin) * 4			
Hydrogen Sulfide	+10 PPM *			
Sulfur Dioxide	+2 PPM * 5			
Ammonia	+35 PPM	<u> </u>		
*Short term exposure Limit +8 hr. Time Weight Avg.: E respiratory protection) REMARKS Gas Tester Name &		a 8 hrs. (longer with appropria	te Serial &/Or	Unit #
Check				2

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526			Confined Space Entry		
Original Date of Implementation: October 2013 New Effective Date:			Plan Revision Date: Page 21 of 38		
Reviewed By: Ja	red Monk			Date: 01/10/2022	2
Testers Name					
Communications			Alarm Types		
TYPE OF EQUIP	MENT				
RESCUE AND EI	MERGENC	Y SERVICE _			PHONE
HOSPITAL	PH	IONE			PHONE
ATTENDANT	5	SN #		NFINE SPACE	SSN #
ENTRY SUPERV	ISOR			SSN	
			LL ABOVE CC		SFIED
1.	Handlin (a) (b) (c) (d) (e)	The one cop accessible le which will be project. After the wo removed an The other co representati the work per The other co	must be comp oy is to be left a ocation on, or e the main mea ork has been co d destroyed. opy is to be giv ve, or kept at t rformed. opy is to be ke	pleted, reviewed, a at the work site in near, the entrance ans of access or e ompleted, this cop ren to the client's he home office as pt in the office for work was complete	an e or man-way gress of the y shall be a record of one year, as
2.	Before a	ensure that th The supervise meeting before procedures aware of wh The followin and every tim (i) P en	ved to enter a d le work area is sor, or person ore each confi covered, to ma hat is expected ing pre-entry ster me a confined lace signs and mployees and	in charge, will hole ned space operati ake sure everyone	d a safety on and the e is totally ormed each orm nat the

(ii) process.

JAGUAR ENERGY SERVICE 310 N Parkerson Ave	S, LLC		Confined Space Entry
Crowley, LA 70526			
Original Date of Implementat New Effective Date:	tion: Octobe	r 2013	Plan Revision Date: Page 22 of 38
Reviewed By: Jared Monk			Date: 01/10/2022
		(i)	
		()	ose all inlet and outlet valves on every vessel or tank.
			g and lock out all equipment
			pplying power to the work space.
		(No	ote - Maintain power for proper nting only.)
	(iii)	•	ssure from the inlet and outlet
	(iv)		ntents of the work space by
	. /		raining the products from the
		space throug	h existing lines, or temporary
		lines, if neces	5
	(v)		langes to the inlet and outlet tank
	<i>(</i>))		zles next to the vessel.
	(vi)	-	ment of the piping system
			attachment of blind flanges, the
			line leading into the confined
		flanges can b	be broken down so that blind
	(vii)	•	inds may be used between the
	(*")		and the first set of flanges outside
		the vessel.	
	(viii)	Deactivate ar	ny automatic fire suppression
		systems.	
(c)	Cleaning:		
	(i)		at the work space has been
			ned through the use of one or
			ollowing: (Note: all water or steam
	(ii)	hoses will be Hot or cold w	•
	(ii) (iii)	Steam cleani	
	(iii) (iv)	Chemical net	
	(v)	Water soluble	
	(vi)	Air or Nitroge	-
(d)	· · /		that the work space has been
	thoroughl	y ventilated by	<pre>performing the following:</pre>
	(i)		nout openings, hatches, doors,
	<i></i>	and manhole	
	(ii)		air within the space using fans or
		blowers.	a vantilating davises must be
			e ventilating devices must be plosion proof, grounded, and
		•	operly positioned, to assure that
		•	rners or isolated spaces are safely
			ntilated.
	(iii)		sources of ignition.
	()		

JAGUAR ENERGY SERVICE 310 N Parkerson Ave Crowley, LA 70526	S, LLC		Confined Space Entry
Original Date of Implementat	tion: Octob	er 2013	Plan Revision Date: Page 23 of 38
Reviewed By: Jared Monk			Date: 01/10/2022
	(iv)	the work sp period. (i) ⁻ i	continuous source of ventilation in bace for the duration of the work This will provide a margin of safety in the event of accidental entry of
		r k c	oxic gases or vapors, and to emove any contaminates that may be generated by the work in the confined space.
	(v)		clothing and respirator equipment used as a substitute for fresh air
(e)	•	ration shall n	ot be done during rain or thunder
	storms. (i)	must be clo	her should occur, the tank or vessel psed and the procedure started
	(ii)	If working i confined sp	a the weather is clear. In trenches or other types of baces, all work should stop and the started again when the weather is
(f)	Testing		
	(i)	person test	Supervisor will ensure that the ing the confined space conditions ed and knows his/her ities.
	(ii)	space has reading ins	that the atmosphere inside the work been tested with calibrated, direct- truments before, and periodically, confined entry to ensure safe work
	(iii)	To ensure	that acceptable entry conditions are ur types of tests are required in the equence:
	(iv)	Tests for of (i)	kygen deficiency. The atmosphere within the confined space must be tested with approved
		(ii) I C F F	oxygen indicating equipment. If the results of the test indicate oxygen deficiency, respiratory protection must be used by all personnel who enter the confined space.
		(iii) A	An atmosphere with an oxygen level below 19.5% is deficient.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526		Confined Space Entry
Original Date of Implementation: Octob New Effective Date:	per 2013	Plan Revision Date: Page 24 of 38
Reviewed By: Jared Monk		Date: 01/10/2022
	COr	ygen deficiency may exist in any nfined space, even after the space s been cleaned.
		erefore, cleaning cannot be used a substitute for testing.
(v)	(i) The spa	nable or explosive material. e atmosphere within the confined ace must be tested using an proved gas detector.
	(ii) If ti cor allo flar	he test indicates the presence of mbustible gases, entry will not be owed until the source of the mmable mixture has been isolated d removed.
	cor flar ign dui	he work to be done within the nfined space involves the use of me, arc, spark, or other source of ition, tests must be conducted ring the work period to ensure that a confined space remains gas e.
(vi)	Tests for toxic (i) The spa equ	c gases and vapors: e atmosphere within the confined ace must be tested with approved uipment for the determination of tic substances.
	(ii) If th pre res by	he results of the test indicate the esence of a toxic atmosphere, spiratory protection must be used all personnel who enter the nfined space.
	mu eqi Na	e contents of the confined space ist be tested with approved uipment for the detection of turally Occurring Radioactive iterials by a certified technician.
	lev sta pro wa	he results of the test show the el to be above accepted indards, a higher level of personal otective equipment and hazardous ste handling procedures must be plied.
	(v) Thi ren	is will require a certified NORM noval and disposal process.
(vii)		ents of the space for Naturally dioactive Materials.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 25 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

(g) Obtain the required safety equipment.

(i) The following safety equipment must be available and in good working condition:

- (i) Protective clothing.
- (ii) Respirators.
- (iii) Safety harnesses and attached life lines.
- (iv) Hoisting device. (For top entry.)
 - Fire extinguishers.
- (vi) First-Aid Kit.
- (h) Obtain the necessary personnel.

(v)

- (i) Enough people should be available to provide sufficient backup for person(s) entering the confined space.
- (ii) These people should be familiar with the work that is to be performed, as well as their responsibilities during the operation.
- Establish reliable communications.

(i)

- A reliable system of communication must be established such as handheld radios or hand signals.
- (ii) All personnel involved in confined entry operations must understand, and be able to use, the communication system that was selected.
- (j) Safe entry into, and work within, a confined space depends on how well the pre-entry procedures are completed.
 - (i) To assist in following all the procedures outlined, a check list is provided.
 - (ii) This checklist shall be used each and every time that a confined space is prepared for entry, to ensure that all the necessary steps have been taken.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 26 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

CONFINED SPACE ENTRY PRE-ENTRY CHECK LIST

[____] 1. Isolate the confined space.

- a. Close all inlet and outlet valves.
- b. Tag and lock out all equipment.
- c. Bleed all pressure from inlet and outlet lines.
- d. Empty the contents of the work space.
- e. Attach blind flanges to the inlet and outlet lines.
- f. Deactivate all automatic fire suppression systems.
- g. Remove any remaining sludge or sediment.

[____] 2. Clean the work space through the use of one or more of the following methods:

- a. Hot or cold water flush.
- b. Steaming.
- c. Chemical neutralization.
- d. Air or nitrogen flush.
- [____] 3. Ventilate the confined space.
 - a. Open all cleanout openings, hatches, doors, manhole covers, etc.
 - b. Circulate the air within the space using fans or blowers.
 - c. Eliminate all sources of ignition.
 - d. Maintain a continuous source of ventilation.

____] 4. Test the atmosphere inside the space for the following:

- a. Flammable or explosive material.
- b. Oxygen deficiency.
- c. Toxic gases or vapors.
- d. Test the confined space for NORMS level.
- ____] 5. Obtain the following safety equipment:
 - a. Protective clothing.
 - b. Respirators.
 - c. Safety harnesses and life lines.
 - d. Hoisting device. (Top entry only)

(i)

- e. Fire extinguisher.
- [____] 6. Obtain the necessary personnel.
 - ____] 7. Establish reliable communications.
- [____] 8. Obtain an entry permit.
 - 3. Confined Space Entry

After all the pre-entry steps have been declared safe for entry, personnel may enter the space to begin the work. The following procedure must be followed to ensure a safe entry:

- (a) The Entry Supervisor will conduct a safety meeting, and these items reviewed each time an entry is to be made.
- (b) Put on the required protective clothing.
 - This may include items such as:
 - (i) Protective suits

AGUAR ENERGY SERVIC 10 N Parkerson Ave Crowley, LA 70526	Confined Space Entry	
Driginal Date of Implement lew Effective Date:	ation: October 20	Plan Revision Date: Page 27 of 38
Reviewed By: Jared Monk		Date: 01/10/2022
	(ii)	Goggles or face shields
	(iii	
	(iv) Gloves
	(v)	Safety shoes
	(vi	· • •
	(vi	performed.
(c)		equired respiratory protection.
	.,	testing of the atmosphere within the space
		dicates an oxygen deficiency, approved
		spirators must be worn by all personnel who
(-1)		ter the space.
(d)		roper fire protection.
		he possibility of fire requires that fire
		tinguishers be placed at the openings of the nfined space.
(e)	Use Attenda	•
(e)		least one attendant must stand by on the
		Itside of the confined space, ready to give
		sistance in case of an emergency.
		le attendant(s) must have proper personal
		otection equipment and respiratory
	-	otection available for immediate use, and be
		ined in the proper use of the equipment.
	(iii) Th	e standby person(s) may pass tools to the
	WC	orker(s) in the work space.
(f)	Use addition	
		least one additional employee must be
		thin sight or calling distance of the stand by
	•	rson.
(g)		nfined space:
	.,	epending upon the design of the space being
		tered, personnel may have to make a side o
(b)	Side entry:	o entry.
(h)		inks, vessels, or other confined spaces with
	()	de and top openings, are to be entered from
		e side if possible.
		de openings are those within 3.5 feet of a
		m footing or landing.
		proved safety harness and lifeline harness
		th attached life line must be worn by all
		ersons entering the confined space.
		he free end of the line must be attached to a
	()	echanical extraction device located outside

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 28 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

the enclosure, or secured to a fixed object outside the entry opening.

- (i) When entry must be made from the top of the tank, vessel, or other confined space, the precautions identified for side entry must be taken along with the following:
 - (i) Use a hoisting device.
 - A hoisting device must be used for lowering and lifting personnel, especially the injured, out of the space.
 - (ii) Use a ladder.
 - (i) When available, a ladder should be used for entry into, and exit from, the space.
- (j) When performing the work within the confined space, there are specific precautions that must be taken to avoid injury.
 - (i) Work involving the use of flame, arc, spark, or other source of ignition, is to be performed only in a gas-free atmosphere.
 - (ii) If nitrogen or other inert gases are used to provide protection against ignition or as a welding blanket gas, a breathing device must be worn at all times when inside the confined space.
 - (iii) All electrical tools must be grounded.
 - (iv) All lighting equipment must be operated at a maximum of 12 volts and must be explosion proof.
 - All connections will be made outside of the confined space, and will remain outside the confined space.
- 4. Confined Space Post Entry

After work within the confined space has been completed, the proper steps to restore the work space to its original condition must be performed:

- (a) Inspect the interior for any tools, nuts, bolts, etc., before cleaning up the inside space.
- (b) Remove and store all ventilating devices. (i.e. fans or blowers.)
- (c) Before closing, clean out openings, hatches, doors, manhole covers, etc., and make sure all personnel are out of the confined space.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 29 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

- (d) Close all cleanout openings, hatches, doors, and manhole covers, etc.
- (e) Remove any blind flanges or "Pancakes."
- (f) Connect any flowline piping that was disconnected to isolate the confined space.
- (g) Close all drain line valves and open all inlet and outlet valves on the vessel according to the requirements of the operation mode.
- (h) Activate any automatic fire suppression systems.
- (i) Remove all tag and lockout devices from electrical equipment, and restore power to the equipment.
- (j) Inform client that the work is complete.
- (k) Remove the entry permit and destroy it.
- (I) Properly store all tools and safety equipment.
- (m) Clean area around confined entry space.
- (n) The work within the confined space area is not complete, until the work area has been restored to its original condition.
- 5. The following check list will help you insure that all the necessary steps have been taken.

PERMIT CONFINED SPACE ENTRY

POST ENTRY CHECKLIST

- ____] 1. Remove and store all ventilating devices (i.e. fans and blowers).
-] 2. Close all cleanout openings, hatches, doors, manhole covers, etc.
- [____] 3. Remove any blind flanges.
- ____] 4. Connect any flow lines or pipes that were disconnected to restore the operational configuration.
- _____] 5. Close all drain valves, and reset all valves to the operating mode.
- ____] 6. Activate any automatic fire suppression systems.
- ____] 7. Remove all tags and lockout devices from electrical equipment and restore power to the equipment.
- ____] 8. Properly store all safety equipment.
-] 9. Clean area around the confined area.

6. Confined Space Entry Rescue.

If all the pre-entry precautions have been taken, the possibility of accidents occurring should be minimized.

- (a) Unauthorized personnel shall not attempt a rescue at any time.
- (b) The rescue team will prevent unauthorized personnel from attempting to rescue entrants.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 30 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

(c) The most important thing to remember when attempting any rescue, is to protect yourself first.

- (d) Failure to do so could result in your becoming a victim also.
- (e) When performing a Confined Space Entry Rescue in both Work Procedures and Emergency Response situations, be sure to use proper personal protective equipment and procedures.
- (f) If an injured entrant is exposed to a substance for which an MSDS sheet or other similar written information is required, that sheet or written information will be made available to the medical facility treating the exposed entrant.
- 7. To facilitate non-entry rescue, retrieval systems or methods will be used whenever an authorized entrant enters a permit space, unless this would increase risk or would not assist the rescue.
 - (a) Retrieval systems will meet the following:
 - (i) Each authorized entrant will use a chest, or full body harness, with a retrieval line.
 - Wristlets may be used in lieu of a harness in special cases, because JAGUAR ENERGY SERVICES, LLC has found that in some situations they are a safer, more effective alternative.
 - (iii) The other end of the retrieval line will be attached to a mechanical device or fixed point outside the permit space, so that rescue can begin as soon as it becomes necessary.
- 8. Vertical rescue procedures will be utilized during top entries and personnel entry, and rescue procedures will be utilized during side entries.
- 9. In the event that personnel are injured during the confined space operation, the following steps should be taken to ensure a successful rescue.
 - (a) The Attendant(s) should call for help immediately, and wait for help to arrive before attempting the rescue.
 - (b) While waiting for help to arrive, the attendant (s) should attempt to remove the victim(s) by the use of the lifeline(s).

JAGUAR ENERGY SERVICES, LLC	Confined Space Entry
310 N Parkerson Ave	
Crowley, LA 70526	
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 31 of 38
Reviewed By: Jared Monk	Date: 01/10/2022
-	

(c) If the victim(s) cannot be pulled out of the confined space using the life line(s), the emergency rescuer(s) must enter the work space.

- (d) Before entering is attempted, the following precautions must be taken:
 - (i) The emergency rescuer(s) must put on a harness and attached life line before entering the work space.
 - (ii) Attach the free end of the life line to some permanent object outside of the confined space.
 - (iii) The emergency rescuer(s) must put on the proper protective clothing and/or a respirator, before entering the work space.
 - (iv) Additional personnel must be posted on the lifeline(s) outside the work space.
 - (v) The emergency rescuer(s) should enter the confined space and remove the victim(s).
 - (vi) After the victim(s) has been removed, first aid should be administered immediately, and the victim(s) transported to a medical facility as soon as possible.
- (e) Emergency Rescue Services Personnel
 - (i) In most cases the client will provide the Rescue and Emergency Services for permit entry operations.
 - (ii) The Entry Supervisor will ensure that all rescue personnel are provided with, and are trained to use, personal protective equipment necessary for making rescues.
 - (iii) Any personnel who are assigned the responsibility of entering permit spaces to conduct rescue and emergency services, must meet the following requirements.
 - (i) Each member of the rescue service will be trained to perform assigned rescue duties.
 - (ii) They will also receive the training required of authorized entrants under this plan.
 - (iii) They will be trained in First Aid/CPR.
 - (iv) Each member of the rescue service will practice making rescues at least once every 12 months.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013 New Effective Date:	Plan Revision Date: Page 32 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

- (v) Each member of the rescue service will be trained in basic first aid and CPR.
- 10. **JAGUAR ENERGY SERVICES, LLC** will always arrange to have persons other than its own employees on site to perform rescues for IDLD entries and they will:
 - (a) Inform the rescue service of the hazards they may confront when called on to perform a rescue.
 - (i) The rescue service must will be given an opportunity to examine the site review, practice rescue, and decline as appropriate.
 - (ii) They must accept responsibility to perform these services.
 - (iii) If there is reliance on the client Host rescue service for use, this must be stated and agreed to in contract language.
 - (iv) Provide the rescue service with access to all permit spaces from which rescue may be necessary, to allow them to develop rescue plans and practice rescues.
 - (v) Employees must have PPE at no cost, training, and practice rescues at least every 12 months.

B. Training Requirements

- 1. The Safety Coordinator or his/her designee will certify that all required training has been completed by issuing cards and certificates.
 - (a) The certification must be made available to employees and their authorized representative.
 - (b) A copy of all training certification will be retained at JAGUAR ENERGY SERVICES, LLC's office and made available to:
 - (i) Clients.
 - (ii) **JAGUAR ENERGY SERVICES, LLC**'s insurance carrier.
 - (iii) OSHA.
 - (iv) Employees and their authorized representative.
 - (v) Any other government agencies requesting the information.
 - (c) The training may be done in-house or contracted to an approved Safety Training Company.

Plan Revision Date: Page 33 of 38 Date: 01/10/2022

(d) The personnel being trained will be required to pass a written test with a grade of not less than 75 %.

- (e) These tests will be maintained in **JAGUAR ENERGY SERVICES**, **LLC**'s files for proof of completion and comprehension.
- (f) The certification shall include:
 - (i) The employee's name
 - (ii) The signature/initials of the trainer
 - (iii) Date(s) of the training

2. Non-hazardous Confined Space Entrants (Awareness Level) JAGUAR ENERGY SERVICES, LLC personnel who enter confined spaces with no potential hazards associated with the entry, and where entry does not require any special modifications of work procedures, must complete confined space awareness training.

- (a) Awareness level training includes instruction on the following topics:
 - (i) Identifying confined spaces and the hazardous conditions that can occur within a confined space.
 - (ii) Identifying hazardous confined spaces.
 - (iii) Precautions and protective equipment required for entry into a confined space.
 - (iv) Requirements for becoming a qualified entrant.
 - (v) Contents of this procedure.

3. Qualified Entrants for Hazardous Confined Spaces

Individuals who enter a hazardous confined space must complete the qualified entrant training, which includes instruction on the following topics:

- (a) Hazard identification.
- (b) Testing of hazardous atmospheres for Oxygen, Flammable gases or vapors, and toxic chemicals.
- (c) Testing for NORM.
- (d) Isolation procedures and verification steps.
- (e) Lockout/Tagout of energy sources.
- (f) Cleaning and safety procedures including ventilation.
- (g) Controlling physical hazards.
- (h) Proper selection and use of protective equipment including respirators.
- (i) Communication and attendant requirements.
- (j) Emergency procedures define that authorized entrants must exit from the permit confined space as quickly as possible whenever:

JAGUAR ENERO 310 N Parkersor Crowley, LA 705	n Ave	ES, LLC		Confined Space Entry
Original Date of New Effective D		ation: Octo	ober 2013	Plan Revision Date:
Reviewed By: Ja				Page 34 of 38 Date: 01/10/2022
		(i)	An order to evac or the entry supe	cuate is given by the attendant ervisor.
		(ii)	symptom of exp	ignizes any warning sign or osure to a dangerous situation.
		(iii)		cts a prohibited condition.
		(iv)	An evacuation a	larm is received.
4.	Attend qualifie topics:	ants of ha ed entrant	training, which includ	ace must complete the des instruction on the following
	(a)	inform		aced during entry, including igns or symptoms, and sure.
	(b)	Aware		avioral affects of hazard
	(C)	Contir		an accurate count of authorized
	(d)	Rema		mit space during entry
	(e)	monito		rized entrants as necessary to d to alert entrants of the need
	(f)	detern and or space condit of haz attend endan	nine if it is safe for en rders the authorized immediately: if the a ion, if the attendant o ard exposure in an a lant detects a situation ger the authorized en	and outside the space to ntrants to remain in the space entrants to evacuate the permi- attendant detects a prohibited detects the behavioral affects uthorized entrant, if the on outside the space that could ntrants, or if the attendant ly perform all the duties.
	(g)	soon a entran	as the attendant dete	her emergency services as rmines that authorized nce to escape from permit
	(h)	approa under stay a unaut they h	ach or enter a permit way; warn the unauth way from the permit norized persons that	norized persons that they must space, advise the they must exit immediately if nit space, and inform the

authorized entrants and the entry supervisor if unauthorized persons have entered the permit space.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 35 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

- (i) Performing non-entry rescues as specified by JAGUAR ENERGY SERVICES, LLC's rescue procedure.
- (j) Performing no duties that might interfere with the attendant's primary duty to monitor and protect the authorized entrants.

5. Entry Supervisors for Hazardous Confined Spaces

Entry Supervisors of hazardous confined space must complete the qualified entrant training, which includes instruction on the following topics:

- (a) Does the training provided to entry supervisor in their duties include:
- (b) Hazards that may be faced during entry, including information on the mode, signs or symptoms, and consequences of the exposure
- (c) Verifying that all tests specified by the permit have been conducted and that all procedures and equipment specified by the permit are in place before endorsing the permit and allowing entry to begin.
- (d) Verifying that rescue services are available and that the means for summoning them are operable.
- (e) Removing unauthorized individuals who enter or who attempt to enter the permit space during operations.
- (f) Determining, whenever responsibility for a permit space entry operation is transferred, that entry operations remain consistent with terms of the entry permit and that acceptable entry conditions are maintained.

C. Training Frequency

- 1. Each affected employee will be trained:
 - (a) Prior to initial assignment.
 - (b) Prior to change to assigned duties.

2. Retraining will be provided:

- (a) If there is a change in permit space operations procedure.
- (b) If inadequacies in the employee's knowledge or use of these procedures is identified.
- (c) If a new hazard is created or special deviations have occurred.
- (d) Prior to a change in assigned duties.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 36 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

D. Definitions

- 1. **Confined Space** is any space that is not intended for continuous human occupancy, but is large enough and so configured that an employee can bodily enter and perform assigned work.
 - (a) Confined spaces can have limited access and/or egress. The location and/or size of openings inhibit the removal of an unconscious or injured employee.
- **2. Engulfment** is the immersing or burying of a person by a liquid, or a solid, such as sand or grain.
- **3. Entrapment** is the trapping and possible asphyxiation of a person due to the internal configuration of a space.
- **4. Entry** is when any part of a person's body crosses the plane of an opening to a confined space.
 - (a) For example, placing an arm or the head into the manway of a chemical storage tank constitutes entry.
- 5. Hazardous atmosphere is an atmosphere that can be injurious to entrants.
 - (a) Examples of hazardous atmospheres include:
 - (i) Oxygen deficient atmospheres; below 19.5% can be fatal.
 - (ii) Atmospheres containing a flammable gas, vapor, or mist in a concentration that is greater than 1% of its Lower Flammable Limit.
 - (iii) Atmospheres that contain a combustible dust in excess of its Lower Flammable Limit, or a dust that obscures the vision at a distance of five feet or less.
 - (iv) Atmospheres containing air contaminant concentrations above governmentally regulated, or generally accepted work place exposure limits.
 - (v) Atmospheres containing air contaminant concentrations that are immediately dangerous to life or health (IDLH).
 - (i) For example, the IDLH for carbon monoxide is 1200 ppm and for hydrogen sulfide is 100ppm.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 37 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

6. Hazardous confined space is a confined space that has one or more of the following characteristics:

- (a) Contains, or has a potential to contain, a hazardous atmosphere.
- (b) Contains a material that has the potential for engulfment.
- (c) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls, or by a floor that slopes downward and tapers to a small cross-section.
- (d) Contains any other recognized serious safety or health hazards.
- (e) Examples of hazardous confined spaces can include Lube Oil Tank Engine Exhaust Ducts.
- 7. Immediately Dangerous to Life or Health (IDLH) is any condition that poses an immediate or delayed threat to life, or that would cause irreversible adverse health effects, or that would interfere with an individual's ability to escape unaided from a permit space.
 - (a) For example, substances such as:
 - (i) Cadmium
 - (ii) Nickel
 - (iii) Carbonyl and hydrogen fluoride
 - (i) They can produce immediate temporary effects that may or may not require medical treatment, but can be followed by sudden and possible fatal collapse 12 -72 hours later.
- 8. Lower Explosive Limit is the minimum concentration at which a substance can ignite.
- **9. Oxygen deficient atmosphere** is an atmosphere that contains less than 19.5% oxygen by volume.
 - (a) Examples of situations that can indicate an oxygen deficient atmosphere include:
 - (i) Use of a nitrogen pad to inert a flammable atmosphere.
 - (ii) Atmosphere containing high levels of natural gases such as propane, ethane, and methane.
 - (iii) Completely enclosed spaces containing a combustion engine.
 - (iv) Extensive rust on the surfaces inside a confined space.

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526	Confined Space Entry
Original Date of Implementation: October 2013	Plan Revision Date:
New Effective Date:	Page 38 of 38
Reviewed By: Jared Monk	Date: 01/10/2022

10. Oxygen enriched atmosphere is an atmosphere that contains more than 23.5% oxygen by volume.

- (a) Oxygen enriched atmospheres can change the flammable properties of materials, causing them to burn more readily.
- **11. Qualified Entrant** is a person who by reason of training, education and experience is knowledgeable in confined space entry operations, and is competent to judge and complete tests for the hazards involved. An individual who has completed confined space entry training and has been authorized by corporate safety as a qualified entrant.