Invasive Work RAM Score		G	BR Job	Safet	y Analy	/sis	Permit #		
JSA Writer:		Area:		Unit:		Date:		Days / Nights	
Job Task / Objective / Equi	p. #:							<u></u>	<u>.                                      </u>
						1			
Does a procedure exist for this task?			Yes	No	ing & LOTO Needs		Procedure #:		
Operations Work Incident	Shobood Is			No		Shift Supervisor S	ignature:		
Operations Work Incidenta Explain the OWI task:		Support Needs	Yes . Worker Abilitie				.6.1444.61		
Explain the OWI task.									
Permit Required for task?			Yes	No	LOTO requ	ired for this ta	isk?	Yes	No
Additional Forms Required		Yes No		LOTO verif	LOTO verified de-energized?			No	
			Equipme	ent Prepara	tion Needs				
Steam Out	Yes	No	Hose Type a	and Fittings	needed / Hos	ses in Complia	nce?		
Nitrogen	Yes	No							
Flaring / Pump Out	Yes	No	Can Process	s be drained	/ cleaned ou	it to closed sys	stem?	Yes	No
Sewers	Yes	No	Gun Drill Ne	eeded for Ed	quipment Tak	en Out of Serv	vice?	Yes	No
Frac Tank	Yes	No	Tools Need	ed:			How Will We E		ot
JLG/Mobile Equipment	Yes	No	_				Isolations Hold	1?	
Vac Truck	Yes	No					1		
Chemical Cleaning	Yes	No	Gas Testing		Yes	No	<u> </u>		
- 4 4				rgency Actio	_				
Safety Shower / Eye Wash			Yes	No		Route Discus	sed:	Yes	No
Upstream / Downstream L			Yes	No	Wind Direc		J.		N
Fire Extinguisher Available / Needed?			Yes Yes	No	Adjacent Work Discussed:  Consider the permiter of barricade needs			Yes	No
Area Barricade Needed?  *Chemical / H2S exposure requires egress from the				No on as nossib		-		eu	
Chemical / 1123 exposure	requires egi	ess 110111 til			Assessment	g 1123 Monito	1.		
H2S Expected in System?			Yes	No		<10ppm		$\Box$	>10ppm
Benzene Expected in Syste	m?		Yes	No	1-	10ppm [	10-50ppm		>50ppm
Other Respiratory Hazards	?		Yes	No	Exposure L	evel?		 _ppm	· · · · · · · · · · · · · · · · · · ·
Break Containment / Bleed	der opening	?	Yes	No	Half Mask	Required?	Yes	No	
SCBA Required?			Yes	No		ottle Watch R	•	Yes	No
Note: List the steps where		-		-			•	_	
prevent chemical exposure								•	
Benzene >1 ppm require re H2S monitor for fresh air u				noas beside	s PPE are cho	sen documen	t those as well.	Kememb	er to remove
1123 Monitor for fresh all t	ise und cons	idel a back	•	ized Parts/E	lectrical				
De-energized Equipment a	nd LOTO		Yes	No	1	If no document mitigations in evaluation section			
Arc Flash PPE (Electricians)			Yes	No		. 0			
Isolate damaged conduit /		res	Yes	No	N/A				

## Authorization to Stop Work

As an employee or contractor of GBR **YOU** have the authorization, without fear of reprimand or reprisal, to immediately **STOP** any work activity that presents a danger to you, a co-worker, or the public; get involve, question and assist in rectifying any situation that is identified as not being in compliance with GBR safety and health policies; to report any unsafe conditions or acts to GBR supervision and to question any activity that you believe may violate an established Safety and Health policy.

		Gener	al Hazard Ass	essment					
Potential Haza		Mitig	gations / Controls /	/ Safeguards					
Hot Surfaces / Live Equipment? Yes		No	Physical Bar	Physical Barriers. Loose Clothing. Temp Insula			tion. Body Position		
Corrosive Materials? Yes		No	Chemical Goggles. Face Shield. Splash & Respirator			spiratory Protection	ry Protection.		
Flammable Materials?	Yes	No	LEL Testing.	LEL Testing. Extenguishers. Isolation Holding. Equipment Prepar					
ripping/Grating removal/Heights? Yes		No	HSP. Grating	HSP. Grating Removal Form. Harness & SRL. Scaffold. JLG.					
verhead work / Falling Objects? Yes		No	Barricades with Tags. Spotters. Tethering. Canvas Tool Bag.						
MAWP of equip. can be exceeded? Yes No			Utility usage needs. Venting. Draining. Equip Condition S-25						
Simultaneous Work Nearby? Yes No			Permitted Work. Time of activity. Communication.						
Hand Injury / Pinch Points?	Yes	No	Gloves. Han	Gloves. Hand Placement. Tag Lines. Awareness of Surroundings					
Rotating Equipment Nearby?	Yes	No	Machine Guarding. Shirts Tucked in. No Loose Clothing or Lanyards.						
Bad Access / Egress to Work Area?	Yes	No	Adequate Work Platform. HSP. Portable Ladder Inspected. Scaffold.						
Weather Related Hazards?	Yes	No	Timing of Work. Frequent Breaks. Water available. Communication.						
Hose Usage / Failure	Yes	No	Proper Hose. Inspection. Fittings. Connections. Check Valve.						
Eva	luate Anythir	ng Not Cove	red on Front o	or General Ho	azard Assessment				
Major Steps in Task		P	otential Haza	rds	Mitigations / Safeguards Required				
	Cre	w Signatu	ires of Ackn	owledgem	ent				
By signing this section I have reviewed and ur	nderstand the Job	o Task, Potentia	al Hazards and Re	commended Ac	tions or Procedures to E	liminate or Mitigate the	Hazards. I also		
acknowledge that I have pr	rea (if applicable	) to help mitigat	e the hazard of locating	me in an emergency.					
Sign On		Sign On		Sign On		Sigr	Sign On		
		Po	st Task Follov	v Up					
Follow Up Post Task: Document what we	ent well and op			•					
Follow Up Post Task: Document what we Were all hazards identified?	ent well and op Yes		improve upon	•	ned?	Yes	No		