

Risk Level	
Black	Extreme: Stop the task/processes. Significant Action Plan required.
Red	High: Significant Action Plan required.
Yellow	Medium: Action Plan required.
Green	Low: Proceed carefully. Action Plan may be warranted but not required.
Blue	Insignificant: Safe to proceed. Action Plan not required.

Attachment F ERRP Appendix A: Preliminary Risk Register
Permit Number: R9UIC-CA6-FY20-1

Risk Level	
Black	Extreme: Stop the tasks/processes. Significant Action Plan required.
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Yellow	Medium: Action Plan required.
Green	Low: Proceed carefully. Action Plan may be warranted but not required.
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Identification								Qualitative Analysis					Risk Response																																					
Risk Number	Date Identified	Identified By	Project Phase	Description of Risk	Risk Trigger(s)	Risk Type	Risk Category	Likelihood	Severity	Risk Matrix					Strategy	Strategy Action Plan/Response Plan		Category	Assigned to	Avoidance Measures	Response Personnel	Equipment	Status	Risk Number																										
3a		Schlumberger	Injecting/Monitoring	Injection well monitoring equipment failure (e.g., shut-off valve or pressure gauge, etc.)	1. The failure of monitoring equipment for wellhead pressure, temperature, and/or annulus pressure may indicate a problem with the injection well that could endanger USDOW.	Equipment	HS	Medium	Light	Likelihood					Mitigation	Limit access to wellhead to authorized personnel only.		Major/Serious	Site Operator	Signage	Site Operator			Open																										
										Very Low	Low	Medium	High	Very High		Notify of notification									Project Mgr.	Monitoring	Project Mgr.	Open																						
										Light	Green	Yellow	Yellow	Red		Mitigation	Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.163(d).												Major/Serious, Minor	Project Mgr.	Monitoring	Project Mgr.	Open																	
										Serious	Green	Yellow	Yellow	Red		Mitigation	Initiate immediate shutdown plan.												Major/Serious	Site Operator	Monitoring	Site Operator	Open																	
										Major	Yellow	Yellow	Yellow	Red		Mitigation	Shut in well (close flow valve). Allow packer fluid into reservoir to stop CO2 flow and keep well full with proper density fluid if required.												Major/Serious	Site Operator	Monitoring	Site Operator	Wellhead, Workover rig to pull tubing if required	Open																
										Catastrophic	Yellow	Yellow	Yellow	Red		Mitigation	Vent fluids, if needed, to maintain acceptable pressures as surface and downhole as not to damage the wellhead or casing.												Major/Serious	Site Operator	Monitoring	Site Operator	Open																	
										Multi-Catastrophic	Yellow	Red	Red	Black		Mitigation	Communicate with CES personnel and local authorities to initiate evacuation plans, as necessary.												Major/Serious	Site Operator	Monitoring	Site Operator	Open																	
										Mitigation	Verify pressures and temperatures with analog gauges.																																							
										Mitigation	Monitor well pressure, temperature, and annulus pressure to verify integrity loss and determine the cause and extent of failure. Identify and implement appropriate remedial actions to repair damage to the well (in consultation with the UIC Program Director).	Major/Serious	Well Engineer	Monitoring		Well Engineer	Wellhead logs, workover rig												Open																					
										Mitigation	If contamination is detected, identify and implement appropriate remedial actions (in consultation with the UIC Program Director).	Major/Serious	Well Engineer, Project Mgr.	Monitoring		Well Engineer, Project Mgr.													Open																					
										Mitigation	Conduct assessment to determine whether there has been a loss of mechanical integrity.	Minor	Well Engineer	Monitoring		Well Engineer	Wellhead logs												Open																					
										Mitigation	If there has been a loss of mechanical integrity, prepare well for longer term shutdown to get repairs accomplished. May include plugs.	Minor	Well Engineer	Monitoring		Well Engineer	Workover rig to set plugs if required												Open																					
										Mitigation	Shut in well (close flow valve). Allow packer fluid into reservoir to stop CO2 flow and keep well full.	Minor	Well Engineer	Monitoring		Well Engineer	Workover rig to pull tubing if required												Open																					
										Mitigation	Vent fluids from wellhead in order to maintain acceptable pressures as surface and downhole as not to damage the wellhead or casing.	Minor	Well Engineer	Monitoring		Well Engineer	Open																																	
										Mitigation	Reset automatic shutdown devices.	Minor	Well Engineer	Monitoring		Well Engineer	Open																																	
										Mitigation	Monitor well pressure, temperature, and annulus pressure to verify integrity loss and determine the cause and extent of failure. Identify and implement appropriate remedial actions to repair damage to the well (in consultation with the UIC Program Director).	Minor	Well Engineer	Monitoring		Well Engineer	Wellhead logs, workover rig												Open																					
										Mitigation	If there is damage to the wellhead, repair the damage and conduct a survey to ensure wellhead leakage has ceased.	Minor	Well Engineer	Monitoring		Well Engineer	Workover rig												Open																					
										Mitigation	Confirm well integrity prior to restarting injection (upon approval of the UIC Program Director).	Minor	Well Engineer	Monitoring		Well Engineer	Wellhead logs												Open																					
										Mitigation	Review downhole, wellhead, and annulus pressure data.	Major/Serious	Well Engineer	Monitoring		Well Engineer	Open																																	
										Mitigation	Isolate the nearby area, if needed, establish a safe distance and perimeter using a hand-held air quality monitor.	Major/Serious	Well Engineer	Monitoring		Well Engineer	Hand-held air quality monitor												Open																					
										Mitigation	Perform a well log/MIT to detect CO2 movement outside of the casing.	Major/Serious	Well Engineer	Monitoring		Well Engineer	Well log/MIT												Open																					
										3b		Schlumberger	Injecting/Monitoring	Injection well monitoring equipment failure (e.g., shut-off valve or pressure gauge, etc.)		1. Equipment failures (sensor, computer, cabling, etc.) and damage to wellhead (run over by heavy equipment).	Equipment												HS	Very Low	Catastrophic	Likelihood					Mitigation	Limit access to wellhead to authorized personnel only.		Major/Serious	Site Operator	Signage	Site Operator			Open				
																																Very Low	Low	Medium	High	Very High		Notify of notification									Project Mgr.	Monitoring	Project Mgr.	Open
																																Light	Blue	Green	Yellow	Yellow		Red	Mitigation											
Serious	Blue	Green	Yellow	Yellow	Red	Mitigation	Initiate immediate shutdown plan.	Major/Serious	Site Operator						Monitoring			Site Operator	Open																															
Major	Yellow	Yellow	Yellow	Red	Mitigation	Shut in well (close flow valve). Allow packer fluid into reservoir to stop CO2 flow and keep well full with proper density fluid.	Major/Serious	Site Operator	Monitoring						Site Operator			Workover rig to pull tubing if required	Open																															
Catastrophic	Yellow	Yellow	Yellow	Red	Mitigation	Vent fluids from wellhead in order to maintain acceptable pressures as surface and downhole as not to damage the wellhead or casing, if possible.	Major/Serious	Site Operator	Monitoring						Site Operator			Open																																
Multi-Catastrophic	Yellow	Red	Red	Black	Mitigation	Communicate with CES personnel and local authorities to initiate evacuation plans, as necessary.	Major/Serious	Site Operator	Monitoring						Site Operator			Open																																
Mitigation	Monitor well pressure, temperature, and annulus pressure to verify integrity loss and determine the cause and extent of failure. Identify and implement appropriate remedial actions to repair damage to the well (in consultation with the UIC Program Director).	Major/Serious	Well Engineer	Monitoring	Well Engineer	Open																																												
Mitigation	If contamination is detected, identify and implement appropriate remedial actions (in consultation with the UIC Program Director).	Major/Serious	Well Engineer, Project Mgr.	Monitoring	Well Engineer, Project Mgr.		Open																																											
Mitigation	Conduct assessment to determine whether there has been a loss of mechanical integrity.	Minor	Well Engineer	Monitoring	Well Engineer	Wellhead logs	Open																																											
Mitigation	If there has been a loss of mechanical integrity, prepare well for longer term shutdown to get repairs accomplished. May include plugs.	Minor	Well Engineer	Monitoring	Well Engineer	Workover rig to set plugs if required	Open																																											
Mitigation	Reset automatic shutdown devices.	Minor	Well Engineer	Monitoring	Well Engineer	Open																																												
Mitigation	Monitor well pressure, temperature, and annulus pressure to verify integrity loss and determine the cause and extent of failure. Identify and implement appropriate remedial actions to repair damage to the well (in consultation with the UIC Program Director).	Minor	Well Engineer	Monitoring	Well Engineer	Wellhead logs, workover rig	Open																																											
Mitigation	If there is damage to the wellhead, repair the damage and conduct a survey to ensure wellhead leakage has ceased.	Minor	Well Engineer	Monitoring	Well Engineer	Workover rig	Open																																											
Mitigation	Confirm well integrity prior to restarting injection (upon approval of the UIC Program Director).	Minor	Well Engineer	Monitoring	Well Engineer	Wellhead logs	Open																																											
Mitigation	Review downhole, wellhead, and annulus pressure data.	Major/Serious	Well Engineer	Monitoring	Well Engineer	Open																																												
Mitigation	Isolate the nearby area, if needed, establish a safe distance and perimeter using a hand-held air quality monitor.	Major/Serious	Well Engineer	Monitoring	Well Engineer	Hand-held air quality monitor	Open																																											
Mitigation	Perform a well log/MIT to detect CO2 movement outside of the casing.	Major/Serious	Well Engineer	Monitoring	Well Engineer	Well log/MIT	Open																																											

CES Project Preliminary Risk Register

Risk Level	
Black	Extreme: Stop the leak/processes. Significant Action Plan required.
Red	High: Significant Action Plan required.
Yellow	Medium: Action Plan required.
Green	Low: Minimal/acceptable. Action Plan may not be required but not required.
Blue	Insignificant: Safe to proceed. Action Plan not required.

Identification										Qualitative Analysis										Risk Response									
Risk Number	Date Identified	Identified By	Project Phase	Description of Risk	Risk Trigger(s)	Risk Type	Risk Category	Likelihood	Severity	Risk Matrix					Strategy	Strategy Action Plan/Response Plan		Category	Assigned to	Avoidance Measures	Response Personnel	Equipment	Status	Risk Number					
4a		Schlumberger	Throughout	Fluid (e.g. brine) leakage to a USDW	1. Any evidence of fluid movement out of the injection zone (i.e., not necessarily to a USDW) to address anticipated events associated with faults or other pathways; any potential USDW endangerment/unacceptable changes in water quality, and CO2 leakage to the land surface.	Leakage	Environmental	Very Low	Catastrophic	Severity	Likelihood					Mitigation	Limit access to wellhead to authorized personnel only.		Major/Serious/Minor	Site Operator	Signage	Site Operator		Open	4a				
											Very Low Low Medium High Very High						Determine the severity of the event, based on the information available, within 24 hours of notification.			Site Operator	Monitoring	Project Mgr.	Open						
											Light	Medium	High	Very High	Mitigation		Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.91(c).	Major/Serious/Minor		Site Operator	Monitoring	Project Mgr.	Open						
											Serious	High	Very High	Mitigation	Initiate shutdown of plant.		Major/Serious/Minor	Site Operator		Monitoring	Site Operator	Open							
											Major	High	Very High	Mitigation	If the presence of indicator parameters is confirmed, develop (in consultation with the UIC Program Director) a case-specific work plan to:		Site Operator	Monitoring		Project Mgr.	Open								
											Catastrophic	High	Very High	Mitigation	Install additional groundwater monitoring points near the affected groundwater well(s) to delineate the extent of impact, and		Major/Serious/Minor	GW Consultant		Monitoring	GW Consultant	Open							
										Very Low Low Medium High Very High					Remediate unacceptable impacts to the affected USDW.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open	Mitigation	Arrange for an alternate potable water supply, if the USDW was being utilized and has been caused to exceed drinking water standards.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open
										Very Low Low Medium High Very High					Proceed with efforts to remediate USDW to mitigate any unsafe conditions (e.g., install system to intercept/collect brine or CO2 "pump and treat" to aerate CO2-tolerant water).		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open								
										Very Low Low Medium High Very High					Continue groundwater remediation and monitoring on a frequent basis (frequency to be determined by Clean Energy Systems and the UIC Program Director) until unacceptable adverse USDW impact has been fully addressed.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open								
										Very Low Low Medium High Very High					Address a well integrity issue, including taking specific steps to identify the location of the failure/leak, effect repairs, and demonstrate MI.		Major/Serious/Minor	Well Eng., Project Mgr.	Monitoring	Well Eng., Project Mgr.	Open								
										Very Low Low Medium High Very High					Isolate the nearby area, if needed, establish a safe distance and perimeter using a hand-held air-quality monitor.		Major/Serious/Minor	Site Operator	Monitoring	Air monitoring	Hand-held air quality monitor		Open						
										Very Low Low Medium High Very High							Major/Serious/Minor	Site Operator	Monitoring	Site Operator	Signage		Open						
4b		Schlumberger	Throughout	Fluid (e.g. CO2) leakage to a USDW	1. Any evidence of CO2 movement out of the injection zone (i.e., not necessarily to a USDW) to address anticipated events associated with faults or other pathways; any potential USDW endangerment/unacceptable changes in water quality, and CO2 leakage to the land surface.	Leakage	Environmental	Very Low	Catastrophic	Severity	Likelihood					Mitigation	Limit access to wellhead to authorized personnel only.		Major/Serious/Minor	Site Operator	Signage	Site Operator		Open	4b				
											Very Low Low Medium High Very High						Determine the severity of the event, based on the information available, within 24 hours of notification.			Site Operator	Monitoring	Project Mgr.	Open						
											Light	Medium	High	Very High	Mitigation		Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.91(c).	Major/Serious/Minor		Site Operator	Monitoring	Project Mgr.	Open						
											Serious	High	Very High	Mitigation	Initiate shutdown plan.		Major/Serious/Minor	Site Operator		Monitoring	Site Operator	Open							
											Major	High	Very High	Mitigation	If the presence of indicator parameters is confirmed, develop (in consultation with the UIC Program Director) a case-specific work plan to:		Site Operator	Monitoring		Project Mgr.	Open								
											Catastrophic	High	Very High	Mitigation	Install additional groundwater monitoring points near the affected groundwater well(s) to delineate the extent of impact, and		Major/Serious/Minor	GW Consultant		Monitoring	GW Consultant	Open							
										Very Low Low Medium High Very High					Remediate unacceptable impacts to the affected USDW.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open	Mitigation	Arrange for an alternate potable water supply, if the USDW was being utilized and has been caused to exceed drinking water standards.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open
										Very Low Low Medium High Very High					Proceed with efforts to remediate USDW to mitigate any unsafe conditions (e.g., install system to intercept/collect brine or CO2 "pump and treat" to aerate CO2-tolerant water).		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open								
										Very Low Low Medium High Very High					Continue groundwater remediation and monitoring on a frequent basis (frequency to be determined by Clean Energy Systems and the UIC Program Director) until unacceptable adverse USDW impact has been fully addressed.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open								
										Very Low Low Medium High Very High					Address a well integrity issue, including taking specific steps to identify the location of the failure/leak, effect repairs, and demonstrate MI.		Major/Serious/Minor	Well Eng., Project Mgr.	Monitoring	Well Eng., Project Mgr.	Open								
										Very Low Low Medium High Very High					Isolate the nearby area, if needed, establish a safe distance and perimeter using a hand-held air-quality monitor.		Major/Serious/Minor	Site Operator	Fence	Air monitoring	Hand-held air quality monitor		Open						
										Very Low Low Medium High Very High							Major/Serious/Minor	Site Operator	Monitoring	Site Operator	Signage		Open						
5a		Schlumberger	Throughout	A natural disaster (e.g., earthquake, tornado, lightning strike)	1. Well problems (integrity loss, leakage, or malfunction) may arise as a result of a natural disaster affecting the normal operation of the injection well. An earthquake may disturb surface and/or subsurface facilities, and weather-related disasters (e.g., tornado or lightning strike) may affect surface facilities.	Natural	Environmental	Low	Catastrophic	Severity	Likelihood					Mitigation	Limit access to wellhead to authorized personnel only.		Major/Serious/Minor	Site Operator	Signage	Site Operator		Open	5a				
											Very Low Low Medium High Very High						Determine the severity of the event, based on the information available, within 24 hours of notification.			Site Operator	Monitoring	Site Operator	Open						
											Light	Medium	High	Very High	Mitigation		Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.91(c).	Major/Serious/Minor		Site Operator	Monitoring	Site Operator	Open						
											Serious	High	Very High	Mitigation	Initiate immediate shutdown plan.		Major/Serious/Minor	Site Operator		Preventative Operation	Site Operator	Open							
											Major	High	Very High	Mitigation	Shut in well (close flow valves).		Major/Serious/Minor	Site Operator		Preventative Operation	Site Operator	Open							
											Catastrophic	High	Very High	Mitigation	Vent CO2 from surface facilities if appropriate.		Major/Serious/Minor	Site Operator		Preventative Operation	Site Operator	Open							
										Very Low Low Medium High Very High					Communicate with CES personnel and local authorities to initiate evacuation plans, if necessary.		Major/Serious/Minor	Site Operator	Monitoring		Open								
										Very Low Low Medium High Very High					Monitor well pressure, temperature, and annulus pressure to verify integrity loss and determine the cause and extent of failure; identify and implement appropriate remedial actions to repair damage to the well (in consultation with the UIC Program Director).		Major/Serious/Minor		Monitoring		Open								
										Very Low Low Medium High Very High					Determine if any leaks to ground water or surface water occurred.		Major/Serious/Minor	GW Consultant	Monitoring	GW Consultant	Open								
										Very Low Low Medium High Very High					If contamination is detected, identify and implement appropriate remedial actions (in consultation with the UIC Program Director).		Major/Serious/Minor	GW Consultant	Remedial Action	GW Consultant	Open								
										Very Low Low Medium High Very High					Conduct assessment to determine whether there has been a loss of mechanical integrity.		Minor	Site Operator	Monitoring	Site Operator	Open								
										Very Low Low Medium High Very High					If there has been a loss of mechanical integrity, initiate shutdown plan.		Minor	Site Operator	Remedial Action	Site Operator	Open								
Very Low Low Medium High Very High					If there has not been a loss of mechanical integrity, initiate gradual shutdown.		Minor	Site Operator	Remedial Action	Site Operator	Open																		
Very Low Low Medium High Very High					Monitor well pressure, temperature, and annulus pressure to verify integrity loss and determine the cause and extent of failure; identify and implement appropriate remedial actions to repair damage to the well (in consultation with the UIC Program Director).		Minor	Site Operator	Monitoring	Site Operator	Open																		

CES Project Preliminary Risk Register

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Black	Extreme: Stop the task/processes. Significant Action Plan required.
Red	High: Significant Action Plan required.
Yellow	Medium: Action Plan required.
Orange	Low: Immediate corrective Action Plan step but not critical but not required.
Blue	Insignificant: Safe to proceed. Action Plan not required.

Identification										Qualitative Analysis										Risk Response									
ID	Company	Activity	Event	Frequency	Severity	Consequence	Mitigation	Residual	Risk Level	Response	Action	Owner	Status	Comments	Priority	Due Date	Last Update	Next Review											
																			Likelihood					Risk Response					
6a	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Injection operation inducing a seismic event equal to or less than M1.5	Seismic	Environmental	Medium	Light	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Site Operator	Monitoring	Site Operator	Open				
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Site Operator	Monitoring	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Document the event for reporting to EPA in semiannual reports.	Minor	Site Operator	Site Operator/Microseismic Provider	Microseismic monitoring	Open			
6b	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Five (5) or more seismic events within a 30-day period having a magnitude greater than M1.5 but less than or equal to M2.0	Seismic	Environmental	Medium	Light	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				
6c	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Seismic event greater than M1.5 and local observation or felt report.	Seismic	Environmental	Medium	Major	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				
6d	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Seismic event greater than M2.0 and no felt report	Seismic	Environmental	Low	Light	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				
6e	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Seismic event greater than M2.0 and local observation or report	Seismic	Environmental	Low	Major	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				
6f	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Seismic event greater than M2.0 and local observation or report	Seismic	Environmental	Low	Major	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				
6g	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Seismic event greater than M2.0 and local observation or report	Seismic	Environmental	Low	Catastrophic	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				
6h	Schlumberger	Throughout or injection	Induced or natural seismic event	1. Seismic event greater than M2.0 and local observation or report	Seismic	Environmental	Low	Catastrophic	Severity	Very Low	Low	Medium	High	Very High	Mitigation	Limit access to wellhead to authorized personnel only.	Site Operator	Storage	Site Operator	Open									
										Light	Yellow	Yellow	Yellow	Red							Determine the severity of the event, based on the information available, within 24 hours of notification.	Site Operator	Monitoring	Site Operator	Open				
										Seismic	Yellow	Yellow	Yellow	Red							Notify the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.51(a).	Major/Seismic, Minor	Site Operator	Monitoring	Site Operator	Open			
										Major	Yellow	Yellow	Yellow	Red							Continue normal operation within permitted limits.	Minor	Site Operator	Site Operator	Open				
										Catastrophic	Yellow	Yellow	Yellow	Red							Initiate gradual shutdown of the well if it is determined to be appropriate.	Minor	Site Operator	Site Operator	Open				