

Wellhead Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure	
Site Name & COGCC Facility Number: Moonraker 4-27		Date: 2/3/23					Remediation Project #: 21023		
Associated Wells:		Age of Site:					Number of Photos Attached:		
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 39.150730, -103.654100							Estimated Facility Size (acres):		
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good condition									
USCS Soil Type: sm				Estimated Depth to Groundwater: 720'					
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed									
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed									
Wellhead(s)									
Well API	073-06757								
Age									
Condition of surface around wellhead	good								
PID Readings									
Condition of subsurface (staining present)									
PID Readings	0.0	0.3	0.6	0.4	1.2	2.9			
Sample taken? Location/Sample ID#	NH-B0120'	NH-N0125'	NH-S0125'	NH-E0125'	NH-W0125'	NH-S-N0123"			
Photo Number(s)									
Other observations regarding wellheads: see attached table for remaining field screenings.									
Summary									
Was impacted soil identified? No Yes - less than 10 cubic yards Yes - more than 10 cubic yards									
Total number of samples field screened: 10				Total number of samples collected: 10					
Highest PID Reading: 2.9				Total number of samples submitted to lab for analysis: 1					
If more than 10 cubic yards of impacted soil were observed:									
Vertical extent:				Estimated spill volume:					
Lateral extent:				Volume of soil removed:					
Is additional investigation required?									
Was groundwater encountered during the investigation? No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils									
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No					
Date Groundwater was encountered:				Commencement date of removal:					
Sheen on groundwater? Yes No				Volume of groundwater removed prior to sampling:					
Free product observed? Yes No				Volume of groundwater removed post sampling:					
Total number of samples collected:				Total Volume of groundwater removed:					
Total number of samples submitted to lab for analysis:									

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: 481403		Date: 2/3/23			Remediation Project #: 21623			
Associated Wells: Moonraker 6-27		Age of Site:			Number of Photos Attached:			
Starting point: (GPS coordinates and descriptions) 39.15072, -103.6541								
End point: (GPS coordinates and descriptions) 39.14974, -103.65909								
USCS Soil Type: sm				Estimated Depth to Groundwater: 720'				
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed								
Flowlines								
Flowline type								
Depth								
Age								
Length	1,628'							
Construction Material								
Were flowlines pulled?								
Visual Integrity of lines								
Visual impacts if trenched								
PID Readings if trenched	0.6	0.6	0.3	1.1				
Sample taken? Location/Sample ID#	FL-B01e4'	FL-B02e4'	FL-B03e4'	FL-B04e4'				
Photo Number(s)								
Other observations regarding on location flowlines:								
Summary								
Was impacted soil identified? <input checked="" type="radio"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards								
Total number of samples field screened: 4				Total number of samples collected: 4				
Highest PID Reading:				Total number of samples submitted to lab for analysis: 4				
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent:				Estimated spill volume:				
Lateral extent:				Volume of soil removed:				
Is additional investigation required?								
Was groundwater encountered during the investigation? <input checked="" type="radio"/> No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils								
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No				
Date Groundwater was encountered:				Commencement date of removal:				
Sheen on groundwater? Yes No				Volume of groundwater removed prior to sampling:				
Free product observed? Yes No				Volume of groundwater removed post sampling:				
Total number of samples collected:				Total Volume of groundwater removed:				
Total number of samples submitted to lab for analysis:								

Tank Battery Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Wellhead Closure		Flowline Closure		Partially Buried Vault Closure	
Site Name & COGCC Facility Number: 459718		Date: 2/3/23				Remediation Project #: 21423			
Associated Wells:		Age of Site:				Number of Photos Attached:			
Location: (GPS coordinates of southeaster berm)		39.149740, -109.659090				Estimated Facility Size (acres):			

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)

Good condition

USCS Soil Type: Sm	Estimated Depth to Groundwater: 720'
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Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

None observed

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

None observed

Tanks

Tank Contents	Produced Water		Aboveground Storage Tank				
Size (barrels)							
Age							
Construction Material							
Tank type							
Visual Integrity							
Condition of tank							
PID Readings							
Soil impacts present at valves or hatches?							
PID Readings	2.1		1.8	1.3			
Sample taken? Location/ Sample ID#	PW-B01 C3"		AST-B01 e3"	AST-B02 e3"			
Photo Number(s)							

Other observations regarding tanks:

Separators

Separator size							
Vertical or Horizontal							
Age							
Soil impacts							
PID Readings	1.5						
Sample taken? Location/ Sample ID#	SEP-B01 C3"						
Photo Number(s)							

Other observations regarding separators

Third Party Equipment

Type							
Age							

Third Party Removal Date									
Sample taken? Location/Container									
PID Readings									
Photo Number(s)									

Other Facility Equipment

Equipment type	Combustor				
Equipment Condition					
Age					
Soil impacts					
PID Readings	0.6	1.8			
Sample taken? Location/Container	com-B01E3"	com-B02E3"			
Photo Number(s)					

Other observations regarding other facility or third party equipment:

Summary

Was impacted soil identified?		Yes - less than 10 cubic yards		Yes - more than 10 cubic yards	
(No)					
Total number of samples field screened:		6		Total number of samples collected: 6	
Highest PID Reading: 2.1				Total number of samples submitted to lab for analysis: 6	
If more than 10 cubic yards of impacted soil were observed:					
Vertical extent:			Estimated spill volume:		
Lateral extent:			Volume of soil removed:		
Is additional investigation required?					
Was groundwater encountered during the investigation?					
(No)		Yes - not impacted or in contact with impacted soils		Yes - groundwater impacted and/or in contact with impacted soils	
Measured depth to groundwater:			Was remedial groundwater removal conducted? Yes No		
Date Groundwater was encountered:			Commencement date of removal:		
Sheen on groundwater? Yes No			Volume of groundwater removed prior to sampling:		
Free product observed? Yes No			Volume of groundwater removed post sampling:		
Total number of samples collected:			Total Volume of groundwater removed:		
Total number of samples submitted to lab for analysis:					