



Produced Water Vessel
Attachment B





TANK BATTERY DECOMMISSIONING FORM

SITE NAME: Linkus 32-24							DATE: 6/4/2021	REM. PROJECT #: 16854	WEATHER: 70s and Sunny	
SITE DIRECTIONS: Rd 8 & Rd 13, W 1/8, S 1/8 into, W 500'							CLIENT: PDC/ Erin Crawford			
LEGALS AND LAT/LONG: 40.038885, -104.948633. SWNE 24 1N 68W 6							TASMAN PERSONNEL: Cody Miller			
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: South			
SOIL SAMPLING							FACILITY INFRASTRUCTURE			
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity	
							Above Ground Storage Tank (AST)		1	
6/4/2021 09:42	BKG01@2.5'	0.0	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel		1	
6/4/2021 09:53	SS01@3'	2293	HC Staining	HC Odor	Yes	Lab	Separator		1	
6/4/2021 10:12	PWV01-B@4'	1494	HC Staining	HC Odor	Yes	On-Hold	Emission Control Device (ECD)			
6/4/2021 10:22	SS02@3'	291.3	HC Staining	Slight HC Odor	Yes	Lab	Dump Line		1	
6/4/2021 10:28	AST01@0-6"	12.8	No Staining	No Odor	Yes	Lab	Wellhead			
6/4/2021 10:38	MH01@0-6"	3.4	No Staining	No Odor	Yes	Grab	Flowline		1	
							Other: Meter house		1	
							Soil Loads Removed			
							IMPACTED SOIL IDENTIFIED? Yes			
							ESTIMATED VOLUME OF IMPACTS:			
							Date	Number	CY	
							Total Removed		0	0
							Disposal Facility:			
							Groundwater Recovery			
							DATE GW ENCOUNTERED:		DEPTH:	
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?			
							LNAPL OR SHEEN OBSERVED ON GW?			
GROUNDWATER SAMPLING							Date		BBLS	
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
							Total Removed		0	
							Disposal Facility:			

Photographic Log

							
Equipment ID:		Equipment Type:		Equipment ID: BKG01		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Separator footprint				Notes/Conditions:			



Photographic Log

									
Equipment ID:		Equipment Type:		Equipment ID: SEP01-FL		Equipment Type:			
Material:		Volume:		Material:		Volume:		Contents:	
Notes/Conditions: AST footprint					Notes/Conditions:				

Photographic Log

							
Equipment ID: PWV01-B		Equipment Type:		Equipment ID: SEP01-DL		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: During the decommissioning of the produced water vessel, produced water was released into the excavation. Due to the small volume, remaining fluids were mixed with unsaturated impacted material and subsequently excavated for disposal.				Notes/Conditions:			

Photographic Log

							
Equipment ID: AST01		Equipment Type:		Equipment ID: MH01		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log



											
						Equipment ID:		Equipment Type:			
						Material:		Volume:		Contents:	
						Notes/Conditions:		Notes/Conditions:			





TANK BATTERY DECOMMISSIONING FORM

SITE NAME: Linkus 32-24 vessel							DATE: 6/8/2021	REM. PROJECT #: 16854	WEATHER: 80s and Sunny	
SITE DIRECTIONS: Rd 8 & Rd 13, W 1/8, S 1/8 into, W 500'							CLIENT: PDC/ Erin Crawford			
LEGALS AND LAT/LONG: 40.038885, -104.948633. SWNE 24 1N 68W 6							TASMAN PERSONNEL: Cody Miller			
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: Northwest			
SOIL SAMPLING							FACILITY INFRASTRUCTURE			
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity	
							Above Ground Storage Tank (AST)			
6/8/2021 12:34	S01@7'	1.9	HC Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel			
6/8/2021 14:06	S02@2.5'	0.6	No Staining	No Odor	Yes	Lab	Separator			
6/8/2021 14:08	S03@6'	0.3	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)			
6/8/2021 15:02	S04@2.5'	0.9	No Staining	No Odor	Yes	Lab	Dump Line			
6/8/2021 15:04	S05@6'	1.7	No Staining	No Odor	Yes	Lab	Wellhead			
6/8/2021 15:34	G01@6'	643.4	HC Staining	HC Odor	Yes	Grab	Flowline			
6/8/2021 15:48	G02@6'	673.3	HC Staining	Slight HC Odor	Yes	Grab	Other:			
							Soil Loads Removed			
							IMPACTED SOIL IDENTIFIED?			
							ESTIMATED VOLUME OF IMPACTS:			
							Date	Number	CY	
							6/8/2021	8	80	
							Total Removed		8	80
							Disposal Facility: Front Range Landfill			
							Groundwater Recovery			
							DATE GW ENCOUNTERED:		DEPTH:	
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?			
							LNAPL OR SHEEN OBSERVED ON GW?			
GROUNDWATER SAMPLING							Date		BBLS	
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
							Total Removed		0	
							Disposal Facility:			



Photographic Log

											
Equipment ID: S01		Equipment Type:		Equipment ID: S02		Equipment Type:					
Material:		Volume:		Contents:		Material:		Volume:		Contents:	
Notes/Conditions:						Notes/Conditions:					


Photographic Log

							
Equipment ID: S03		Equipment Type:		Equipment ID: S04		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

							
Equipment ID: S05		Equipment Type:		Equipment ID: GS01		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

							
Equipment ID: G02		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			





TANK BATTERY DECOMMISSIONING FORM

SITE NAME: Linkus 32-24 water vessel							DATE: 6/9/2021	REM. PROJECT #: 16854	WEATHER: 80s and Sunny			
SITE DIRECTIONS: Rd 8 & Rd 13, W 1/8, S 1/8 into, W 500'							CLIENT: PDC/ Erin Crawford					
LEGALS AND LAT/LONG: 40.038885, -104.948633. SWNE 24 1N 68W 6							TASMAN PERSONNEL: Cody Miller					
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: Northwest					
SOIL SAMPLING							FACILITY INFRASTRUCTURE					
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity			
							Above Ground Storage Tank (AST)					
6/9/2021 10:57	S06@2.5'	0.9	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel					
6/9/2021 11:00	S07@6'	1.5	HC Staining	No Odor	Yes	Lab	Separator					
6/9/2021 11:28	S08@2.5'	0.7	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)					
6/9/2021 11:34	S09@6'	0.6	HC Staining	No Odor	Yes	Lab	Dump Line					
6/9/2021 11:36	S10@7'	2.5	HC Staining	No Odor	Yes	Lab	Wellhead					
6/9/2021 13:50	G03@6'	1029	HC Staining	Strong HC Odor	Yes	Grab	Flowline					
6/9/2021 15:12	G04@6'	416.9	HC Staining	HC Odor	Yes	Grab	Other:					
							Soil Loads Removed					
							IMPACTED SOIL IDENTIFIED?					
							ESTIMATED VOLUME OF IMPACTS:					
							Date		Number		CY	
							6/9/2021		11		110	
							Total Removed		11		110	
							Disposal Facility: Front Range Landfill					
							Groundwater Recovery					
							DATE GW ENCOUNTERED:			DEPTH:		
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?					
							LNAPL OR SHEEN OBSERVED ON GW?					
GROUNDWATER SAMPLING							Date		BBLS			
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?						
							Total Removed		0			
							Disposal Facility:					



Photographic Log

											
Equipment ID: S06		Equipment Type:		Equipment ID: S07		Equipment Type:					
Material:		Volume:		Contents:		Material:		Volume:		Contents:	
Notes/Conditions:						Notes/Conditions:					


Photographic Log

							
Equipment ID: S08		Equipment Type:		Equipment ID: S09		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

							
Equipment ID: S10		Equipment Type:		Equipment ID: G03		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

											
Equipment ID: G04		Equipment Type:		Equipment ID:		Equipment Type:					
Material:		Volume:		Contents:		Material:		Volume:		Contents:	
Notes/Conditions:						Notes/Conditions:					




TANK BATTERY DECOMMISSIONING FORM

SITE NAME: Linkus 32-24 water vessel							DATE: 6/10/2021	REM. PROJECT #: 16854		WEATHER:	
SITE DIRECTIONS: Rd 8 & Rd 13, W 1/8, S 1/8 into, W 500'							CLIENT: PDC/ Erin Crawford				
LEGALS AND LAT/LONG: 40.038885, -104.948633. SWNE 24 1N 68W 6							TASMAN PERSONNEL: Cody Miller				
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: Northwest				
SOIL SAMPLING							FACILITY INFRASTRUCTURE				
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity		
							Above Ground Storage Tank (AST)				
6/10/2021 14:52	G05@2.5'	0.3	No Staining	No Odor	Yes	Grab	Buried or Partially Buried Vessel				
6/10/2021 14:54	G06@6'	0.7	No Staining	No Odor	Yes	Grab	Separator				
6/10/2021 16:00	S11@13'	206.8	HC Staining	HC Odor	Yes	Lab	Emission Control Device (ECD)				
							Dump Line				
							Wellhead				
							Flowline				
							Other:				
							Soil Loads Removed				
							IMPACTED SOIL IDENTIFIED?				
							ESTIMATED VOLUME OF IMPACTS:				
							Date		Number	CY	
							6/10/2021		13	130	
							Total Removed		13	130	
							Disposal Facility: Front Range Landfill				
							Groundwater Recovery				
							DATE GW ENCOUNTERED:			DEPTH:	
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?				
							LNAPL OR SHEEN OBSERVED ON GW?				
GROUNDWATER SAMPLING							Date		BBLS		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?					
							Total Removed		0		
							Disposal Facility:				

Photographic Log

							
Equipment ID: SS12		Equipment Type:		Equipment ID: SS11		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log



											
Equipment ID: SS11		Equipment Type:		Equipment ID:		Equipment Type:					
Material:		Volume:		Contents:		Material:		Volume:		Contents:	
Notes/Conditions:						Notes/Conditions:					





TANK BATTERY DECOMMISSIONING FORM

SITE NAME: Linkus 32-24 vessel							DATE: 6/11/2021	REM. PROJECT #: 16854	WEATHER: 70s and Sunny		
SITE DIRECTIONS: Rd 8 & Rd 13, W 1/8, S 1/8 into, W 500'							CLIENT: PDC/ Erin Crawford				
LEGALS AND LAT/LONG: 40.038885, -104.948633. SWNE 24 1N 68W 6							TASMAN PERSONNEL: Cody Miller				
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: Northwest				
SOIL SAMPLING							FACILITY INFRASTRUCTURE				
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity		
							Above Ground Storage Tank (AST)				
6/11/2021 11:35	S12@16'	7.2	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel				
6/11/2021 11:45	S13@14'	1.2	No Staining	No Odor	Yes	Lab	Separator				
6/11/2021 12:00	S14@14'	12.2	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)				
6/11/2021 12:12	S15@14'	2.1	No Staining	No Odor	Yes	Lab	Dump Line				
6/11/2021 12:22	S16@14'	0.7	No Staining	No Odor	Yes	Lab	Wellhead				
6/11/2021 12:46	S17@2.5'	0.1	No Staining	No Odor	Yes	Lab	Flowline				
6/11/2021 12:52	S18@6'	0.3	No Staining	No Odor	Yes	Lab	Other:				
6/11/2021 12:58	S19@7'	0.9	No Staining	No Odor	Yes	Lab	Soil Loads Removed				
6/11/2021 13:08	S20@2.5'	0.3	No Staining	No Odor	Yes	Lab	IMPACTED SOIL IDENTIFIED?				
6/11/2021 13:12	S21@6'	0.2	No Staining	No Odor	Yes	Lab	ESTIMATED VOLUME OF IMPACTS:				
6/11/2021 13:18	S22@2.5'	0.7	No Staining	No Odor	Yes	Lab	Date		Number	CY	
6/11/2021 13:22	S23@6'	0.4	No Staining	No Odor	Yes	Lab	6/11/2021		7	70	
6/11/2021 13:36	S24@2.5'	0.4	No Staining	No Odor	Yes	Lab					
6/11/2021 13:40	S25@6'	0.5	Organic Content	No Odor	Yes	Lab					
							Total Removed		7	70	
							Disposal Facility: Front Range Landfill				
							Groundwater Recovery				
							DATE GW ENCOUNTERED:		DEPTH:		
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?				
							LNAPL OR SHEEN OBSERVED ON GW?				
GROUNDWATER SAMPLING							Date		BBLS		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?					
							Total Removed		0		
							Disposal Facility:				



Photographic Log

							
Equipment ID: S12		Equipment Type:		Equipment ID: S13		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			



Photographic Log

							
Equipment ID: S14		Equipment Type:		Equipment ID: S15		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			



Photographic Log

							
Equipment ID: S16		Equipment Type:		Equipment ID: S18		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

							
Equipment ID: S17		Equipment Type:		Equipment ID: S19		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

							
Equipment ID: S20		Equipment Type:		Equipment ID: S21		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

							
Equipment ID: S22		Equipment Type:		Equipment ID: S23		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			

Photographic Log

					
Equipment ID: S24			Equipment Type:		
Material:	Volume:	Contents:			
Notes/Conditions:					


					
Equipment ID: S25			Equipment Type:		
Material:	Volume:	Contents:			
Notes/Conditions:					



TANK BATTERY DECOMMISSIONING FORM

SITE NAME: Linkus 32-24 vessel							DATE: 6/14/2021		REM. PROJECT #:		WEATHER: 90s and Sunny	
SITE DIRECTIONS: Rd 8 & Rd 13, W 1/8, S 1/8 into, W 500'							CLIENT: PDC/ Erin Crawford					
LEGALS AND LAT/LONG: 40.038885, -104.948633. SWNE 24 1N 68W 6							TASMAN PERSONNEL: Cody Miller					
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: Northwest					
SOIL SAMPLING							FACILITY INFRASTRUCTURE					
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity			
							Above Ground Storage Tank (AST)					
6/14/2021 15:12	S26@16.5'	0.7	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel					
							Separator					
							Emission Control Device (ECD)					
							Dump Line					
							Wellhead					
							Flowline					
							Other:					
							Soil Loads Removed					
							IMPACTED SOIL IDENTIFIED?					
							ESTIMATED VOLUME OF IMPACTS:					
							Date		Number		CY	
							6/14/2021		1		5	
							Total Removed		1		5	
							Disposal Facility: Front Range Landfill					
							Groundwater Recovery					
							DATE GW ENCOUNTERED:			DEPTH:		
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?					
							LNAPL OR SHEEN OBSERVED ON GW?					
GROUNDWATER SAMPLING							Date		BBLS			
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?						
							Total Removed		0			
							Disposal Facility:					

Photographic Log

											
Equipment ID: S26@16.5'		Equipment Type:		Equipment ID:		Equipment Type:					
Material:		Volume:		Contents:		Material:		Volume:		Contents:	
Notes/Conditions:						Notes/Conditions:					