

Couvillion Group, LLC MC 20 Hydrocarbon Pump-Off #26-27 Results Report

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Revision	Date	Ву	Check	Approve	Remarks
0	4/28/21				Initial Document

Preface:

During Couvillion Group's twenty sixth collection cycle a crew member on board the OSV Brandon Bordelon tested positive for COVID-19. Additionally, forecasted weather estimated conditions of up to 30 kt winds and max wave height of 14' which are beyond the safe working conditions for pump off operations. Due to COVID-19 policies and operational safety protocols, pump off 26 was stopped early in efforts to minimize the spread of COVID-19 and minimize vessel downtime due to weather. During pump off 26 the Alpha, Bravo, Charlie, and Echo storage tanks were offloaded, but the Delta storage container was not able to be offloaded. In order to normalize collection rates and quantities of pump off 26, the collected hydrocarbons from pump offs 26 and 27 were combined in the frac tanks at the Couvillion Yard in Port Fourchon, La. This report herein summarizes both pump off 26 and 27 over a period of 46.0 days.

Summary:

Couvillion Group's Rapid Response Collection System initiated it's twenty sixth collection cycle on 2/21/2021 and completed the cycle on 3/15/2021 resulting in a collection duration of 22.4 days. Using the OSV Brandon Bordelon the collected hydrocarbon fluids that were recovered from the subsea oil containment vessels was taken to the Couvillion Dock in Port Fourchon, Louisiana. Vessel to Dockside Transfer commenced on 3/18/2021, with 472.6 bbl of hydrocarbon fluids transferred to onshore frac tanks 1-3 according to NRC frac tank strapping. On 4/1/2021 pump off 26 fluids were decanted and 73.8 bbl of water was removed from the frac tanks resulting in 398.8 bbl of hydrocarbons remaining in the frac tanks from pump off 26.

Couvillion Group's Rapid Response Collection System initiated it's twenty seventh collection cycle on 3/15/2021 and completed the cycle on 4/8/2021 resulting in a collection duration of 23.4 days. Using the OSV Brandon Bordelon the collected hydrocarbon fluid that was recovered from the subsea oil containment vessels was taken to the Couvillion Dock in Port Fourchon, Louisiana. Vessel to Dockside Transfer commenced on 4/10/2021. The frac tanks on land at the Couvillion Dock were strapped and contained a total of 396.0 bbl of hydrocarbon fluids which is 0.7% difference from the 398.8 bbl of hydrocarbons recorded in the tank on 4/1/2021. 544.3 bbl of hydrocarbon fluids were transferred from the OSV Brandon Bordelon to onshore frac tanks 1-3 according to NRC frac tank strapping from pump off 27. The quantity of fluids from Pumpoff 26 and 27 fluids as of 4/10/2021 totaled 940.3 bbl.

On the morning of 4/20/2021 Couvillion Group confirmed the initial measurement of 940.3 bbl of hydrocarbon that remained in tanks 1-3 via strap measurements. After a confirmation measurement was recorded, the decanting process began. On 4/1/2021 hydrocarbon fluids collected on pumpoff 26 were decanted and 73.8 bbl of water was removed from frac tanks 1-3. An additional 66.6 bbl of water was decanted from frac tanks 1-3 during the week of 4/19/2021. Total decanted quantity for pumpoffs 26-27 total 66.6 bbl. 62.2 bbl of liquids remained in the frac tanks from pump offs 26-27 as residuals which were later transferred to frac tank 4 for further decant. A gross total of 811.7 bbl of fluids according to NRC strapping measurements was sent to Acadiana oil using tank trucks from frac tanks 1-3. After temperature and BS&W deductions a net total of 792.8 bbl of oil was transferred from tanks 1-3 in the Port Fourchon Yard to the Acadiana Oil Company in Berwick, Louisiana. Total fluid reconciliation for frac tanks 1-3 was within -0.3 %.

Along with the processing of frac tanks 1-3 Couvillion Group processed the 4th frac tank which is referred to as the residual tank. The residual tank had an initial volume of 216.9 bbl of hydrocarbon fluids. A total of 60.2 bbl of water was decanted out of the frac tank and sent to E.R.R Evergreen LLC in Belle Chasse, La for disposal via vac truck. Following water truck transfers, 132.5 bbl of hydrocarbon fluids were sent to Acadiana Oil in Berwick, La. After temperature and BS&W deductions a net total of 127.0 bbl of oil

was transferred from tanks 1-3 in the Port Fourchon Yard to the Acadiana Oil Company in Berwick, Louisiana. After processing was completed 23.8 bbl of hydrocarbon fluids were left in the 4th frac tank for processing at a later date. Total fluid reconciliation for frac tank 4 was within -0.2%

Procedures Followed:

Couvillion Group and the associated companies participating in the collection and transportation of hydrocarbon fluids from the MC-20 site to the Acadiana Oil Company site have compiled a set of procedures that are followed throughout the process. The MC20 Response Disposal Plan with associated documentation pertaining to custody transfer and hydrocarbon fluids measurements for this report are in Appendix I. Appendix II includes the NRC waste handling documentation.

Execution:

Offshore Collection of Hydrocarbon Fluids at MC 20 Site:

The Brandon Bordelon OSV moved in place on location for pump off 26 at MC20 on 3/16/2021 at 0755 hrs. An as- found ROV survey was conducted prior to commencement of pump off operations. To begin pump off operations ROV's were launched and thereafter the hydraulic subsea pump and hoses were over boarded. The inlet hose to the hydraulic subsea pump was connected to the offload outlet on the subsea oil storage containers. Pumping commenced at 1755 hrs on 3/16/2021 and ended at 0643 on 3/17/2021. Fluids were sampled on the vessel every 20 minutes for field analysis to determine the estimated oil to water ratios until water breakthrough occurred and collection operations were then stopped. A total of 498.2 bbl of hydrocarbon fluid was collected according to the tank strap measurement taken offshore. Upon pump off completion the hoses and pump were surfaced and flushed with saltwater that was sent to a filtration system for treatment and over boarding.

The Brandon Bordelon OSV moved in place on location for pump off 27 at MC20 on 4/8/2021 at 0920 hrs. An as- found ROV survey was conducted prior to commencement of pump off operations. To begin pump off operations ROV's were launched and thereafter the hydraulic subsea pump and hoses were over boarded. The inlet hose to the hydraulic subsea pump was connected to the offload outlet on the subsea oil storage containers. Pumping commenced at 0000 hrs on 4/9/2021 and ended at 0740 on 4/9/2021. Fluids were sampled on the vessel every 20 minutes for field analysis to determine the estimated oil to water ratios until water breakthrough occurred and collection operations were then stopped. A total of 553.0 bbl of hydrocarbon fluid was collected according to the tank strap measurement taken offshore. Upon pump off completion the hoses and pump were surfaced and flushed with saltwater that was sent to a filtration system for treatment and over boarding.

Vessel to Dockside Transfer

The Brandon Bordelon arrived at the Couvillion Dock in Port Fourchon, Louisiana on 3/18/2021 at 0215 with the hydrocarbon fluids collected from pump off 26. At 0600 on 3/18/2021 hoses were run from the tanks on the vessel through a diaphragm pump which was on the Couvillion dock and then run to 500 bbl frac tanks. The pump-off process was begun and continued until all MPT tanks aboard the OSV Brandon Bordelon were empty. Tankermen from Team Services verified that the MPT tanks onboard the vessel was emptied, then an NRC representative strapped the dockside frac tanks to determine **the total quantity transferred which was 472.6 bbl.** With dockside transfer complete, the fluid was allowed to settle out water from the oil before transfer of the oil from the frac tanks to tank trucks. A total of 73.8 bbls of water was decanted leaving 398.8 bbls remaining in trac tanks 1-3.

Hydrocarbons collected on pump off 26 were combined with hydrocarbons collected on pump off 27 during the pump off 27 vessel to dockside transfer. The OSV Brandon Bordelon arrived at the Couvillion Dock in Port Fourchon at 0500 on 4/10/2021. At 0600 on 4/10/2021 hoses were run from the tanks on the vessel through a diaphragm pump which was on the Couvillion dock and then run to 500 bbl frac tanks. Prior to initiating the pump-off process the frac tanks were strapped and contained a total of 396.0 bbls of hydrocarbon fluids **The frac tanks on land at the Couvillion Dock were strapped and contained a total of 396.0 bbl of hydrocarbon fluids** which is 0.7% difference from the 398.8 bbl of hydrocarbons recorded earlier. The pump-off process then began and continued until all MPT tanks aboard the OSV Brandon Bordelon were empty. Tankermen from Team Services verified that the MPT tanks onboard the vessel was emptied, then an NRC representative strapped the dockside frac tanks to determine **the total quantity transferred which was 544.3 bbl**. The hydrocarbons transferred during pump off 27 were combined with the hydrocarbons collected on pump off 26. After the pump off 27 **transfer there was a total of 940.3 bbl of hydrocarbon fluid to be processed for recycle**. With dockside transfer complete, the fluid was allowed to settle out water from the oil before transfer of the oil from the frac tanks to tank trucks.

Dockside Frac Tanks to Truck Transfers

On the morning of 4/21/2021 at 06:00 hrs the first round of frac tanks to tank truck transfers commenced. A hose was attached to the frac tank and ran through a diaphragm pump into¹a tank truck. Pumping commenced and the first truck received 143.7 bbl of hydrocarbon fluids and the second truck received 142.6 bbl of hydrocarbon fluids. The second day of frac tank to tank truck transfers began on 4/22/2021 at 06:00. The first truck was loaded with 123.5 bbl of hydrocarbon fluids, and the second truck was loaded with 146.4 bbl of hydrocarbon fluid, and the third truck was loaded with 144.1 completed the bbl of hydrocarbon fluid. On 4/23/2021 the final day of truck transfers commenced for pump off 26-27, the final truck for pump off 26-27 was loaded with 111.4 bbl of hydrocarbon fluid. There was a total of 62.2 bbl of residual fluids which remained in frac tanks 1-3 which was sent to frac tank 4 for further decant. All values were recorded in the appropriate forms in the MC-20 Response Disposal Plan (see report Appendix I). Total fluid reconciliation for frac tanks 1-3 was within -0.3%

On the Morning of 4/21/2021 residual tank 4 processing commenced and frac tank 4 started with a total quantity of 216.9. Between 4/21/2021 and 4/23/2021 a total of 60.2 bbl of water was sent for disposal at E.R.R. Evergreen in Belle Chasse, La. On 4/23/2021 a final product removal of 132.5 bbl of hydrocarbons were loaded into a truck from residual tank 4 and sent to Acadiana Oil in Berwick, La. After frac tank 4 processing 23.8 bbl of hydrocarbon fluids remained in the tank for futher decanting. Total reconciliation for frac tank 4 was within -0.2%

Truck to Facility Transfer

Upon arrival at the Acadiana Oil Company site each truck enters a loading bay. Before any fluids are transferred an Acadiana Oil Representative straps their tank for an initial measurement and then transfer of fluid begins. While the pump off is underway an Acadiana Oil Company Representative takes three fluid samples during the transfer process from the pump outlet from which hydrocarbon fluid is flowing. These samples are taken at the beginning of the transfer, mid-way through the transfer, and at the end of the transfer process to ensure a full mixture. The sample is then taken to their testing area where tests are run to determine: % BS&W content, temperature, and specific gravity. Temperature and specific gravity are recorded via the use of a hydrometer, while BS&W content is determined via the use of a centrifuge with a 50/50 mixture of the sample with mineral spirits. Once all sampling is completed and recorded (see copy in Appendix I) the Acadiana Oil Company Representative again straps their tank in order to obtain a post transfer level. The gross fluids that are recorded is determined by subtracting the initial pump off tank strap level from the post transfer tank strap level. This gross fluid value is corrected for temperature, specific gravity and BS&W content to determine the net oil value that is recorded. This process is repeated for each truck offload.

Summary Tally and Running Totals:

The tables below show an oil tally, a total fluid reconciliation and a flow rate calculation. In total 472.6 bbl of hydrocarbon fluid from pump off 26 and 544.3 bbl of hydrocarbon fluid from pump off 27 was transferred from the Brandon Bordelon into an onshore frac tank. Tank trucks transported a gross total of 811.7 bbl to the Acadiana Oil Company, which netted out to a total of 792.8 bbl. From a total fluid reconciliation standpoint, measurements at different site locations were within -0.3 % for frac tanks 1-3. The calculated flow rate during the 46.0-day collection cycle offshore was 17.2 bbl/day or 722.4 gallon/day. Since installation of the RRS in April 2019, Couvillion Group has collected an average of 22.0 bbl/ day or 924.0 gal/day. Monthly pumpoff collection rates reflect collection rates which are not inclusive of product that remains in the residual tank. This causes monthly collection rates to appear slightly lower than the historic average. As of the end of this pump off campaign 711,450.6 gallons of salvaged crude oil has been contained from the MC-20 site.

Oil Tally

					Truck 1				Truck 2				Truck 3				Truck 4					Running
Oil Tally	Date	Total Fluid	Total Fluid		Total Fluids	Total Fluid			Total Fluids	Total Fluid			Total Fluids	Total Fluid			Total Fluids	Total Fluid			Total	Total
		Transfer	Frac	%	to Acadiana	at	%	Net	to Acadiana	at	%	Net	to Acadiana	at	%	Net	to Acadiana	at	%	Net	Net	Net
		by	Tank Strap		NRC Frac	Acadiana			NRC Frac	Acadiana	- 100		NRC Frac	Acadiana			NRC Frac	Acadiana				
		Cypress (bbl)	by NRC (bbl)	Diff	Strap (bbl)	by strap (bbl)	Diff	Oil (bbl)	Strap (bbl)	by strap (bbl)	Diff	Oil (bbl)	Strap (bbl)	by strap (bbl)	Diff	Oil (bbl)	Strap (bbl)	by strap (bbl)	Diff	Oil (bbl)	Oil (bbl)	Oil (bbl)
Pump Off #1	4/26/2019	220.0	215.7	-2.0	(00)	(001)		(00)	(001)	(001)		(00)	(001)	(001)		(00)	(001)	(661)		(001)	(00)	(001)
rump on ni	5/6/2019	220.0	215.7	2.0	113.7	110.0	3.3	108.8	97.0	87.4	9.9	78.6									187.4	187.4
Pump Off #2	5/3/2019	246.3	223.5	-10.2																		
	5/8/2019				101.3	102.0	-0.7	99.7	82.8	83.8	-1.2	81.9									181.6	369.0
Pump Off #3	5/13/2019	335.0	331.2	-1.1																		1
	5/16/2019	001 7	005.5		103.2	89.1	13.7	82.9	126.4	136.4	-7.9	132.1	108.5	99.5	8.3	80.7					295.7	664.8
Pump Off #4	6/19/2019 6/20/2019	901.7	905.5	0.4	139.4 137.7	145.8 136.2	-4.6 1.1	143.0 113.0	138.7 140.7	139.4 141.4	-0.5 -0.5	137.4 139.4	140.6	141.4	-0.6	134.2	144.1	141.4	1.9	138.4		1
	6/21/2019				48.5	47.1	2.8	44.6	140.7	141.4	-0.5	135.4	140.0	141.4	-0.0	134.2	144.1	141.4	1.5	130.4	850.0	1514.8
Pump Off #5	7/31/2019	1200.2	1196.6	-0.3	139.2	138.3	0.6	133.7	142.7	150.0	-5.1	146.5									050.0	151.10
	8/1/2019				139.1	145.7	-4.7	135.1	140.7	138.4	1.6	131.9	146.0	142.0	2.7	81.3	138.0	142.0	-2.9	140.0		1
	8/2/2019				99.8	112.9	-13.1	111.0	101.1	105.6	-4.5	104.2									983.7	2498.5
Pump Off #6	8/26/2019	848.0	874.6	3.0	141.7	138.4	2.3	134.6	140.3	145.7	-3.8	140.6	141.5	145.7	-3.0	143.2						1
	8/27/2019				140.5	138.4	1.5	135.5	137.2	142.0	-3.5	139.1	61.3	65.6	-7.0	64.2					757.0	2255 7
Pump Off #7	9/23/2019	891.9	880.4	-1.3	138.0	134.7	2.4	132.4	144.3	151.8	-5.2	148.9	142.6	142.0	0.4	139.7	ł				757.2	3255.7
Pullip Oli #7	9/23/2019	091.9	860.4	-1.5	138.0	134.7	1.7	132.4	144.5	131.8	-5.2	135.5	55.3	54.6	1.3	53.7					749.3	4005.0
Pump off #8	10/21/2019	790.9	787.4	-0.4	2.77.7	1.2.0	±.7	100.1	1.0.7	100.7	3.7	100.0	55.5	5 1.0	1.5	33.7	1				,	
	10/22/2019				143.9	131.0	9.0	129.1	154.3	151.9	1.5	149.7	144.0	136.2	5.4	134.2						ł
L	10/23/2019	 	 		137.7	141.4	-2.7	139.2	130.0	125.7	3.3	123.6		L	L		L	L	 	 		
Residual Tank	10/23/2019		205.1										125.4	125.7	-0.2	123.6					799.4	4804.4
Pump off #9	11/11/2019	772.3	757.8	-1.9																		1
	11/19/2019 11/20/2019				142.3 145.6	156.5 145.6	-10.0 0.0	153.6 143.6	143.8 92.1	131.0	8.9 -2.8	128.8 93.3	145.3	142.0	2.3	139.9					650.1	5463.5
Pump off #10	12/17/2019	940.7	942.8	0.2	145.6	145.6	2.5	143.6	71.4	94.6 69.2	-2.8	93.3 68.5	146.4	145.7	0.5	144.2	ł				659.1	5463.5
Fullip Oli #10	12/17/2019	540.7	542.0	0.2	142.0	138.4	5.5	136.8	144.3	145.7	-1.0	144.4	140.4	143.7	1.4	144.2	47.4	47.4	0.0	47.0	818.6	6282.1
Pump off #11	1/9/2020	697.7	691.0	-1.0	128.7	131.1	-1.9	128.3	128.0	131.1	-2.4	129.3	129.8	131.1	-1.0						020.0	
	1/10/2020	l			79.4	91.0	-14.6	90.0	92.6	91.1	1.6	90.0										1
Residual Tank	1/8/2020				141.9	142.0	-0.1	140.0													707.2	6989.3
Pump off #12	2/12/2020	725.4	722.5	-0.4	120.8	123.8	-2.5	115.8	102.1	101.9	0.2	100.4	99.0	101.9	-2.9	97.5						1
	2/13/2020	 			149.5	160.2	-7	154	114.2	101.92	10.8	61.1								 		
Residual Tank Pump off #13	2/17/2020 3/11/2020	583.7	570.2	-2.4	108.2	105.6	2.4	101.3													630.1	7619.4
Pullip Oli #15	3/11/2020	565.7	570.2	-2.4	114.5	115.2	-0.6	112.7	138.3	136.2	1.5	134.3										1
	3/13/2020				93.6	94.3	-0.7	91.9	120.0	120.4	-0.3	117.5									456.4	8075.8
Pumpoff #14	4/16/2020	966.7	928.8	-4.1	147.2	146.5	0.5	144.6	145.2	141.2	2.8	139.4	148.0	146.5	1.0	143.7						
	4/17/2020	l			144.9	146.5	-1.1	144.3	144.1	141.2	2.0	139.1	87.4	88.9	-1.7	87.3	L		l		798.4	L
Residual Tank	4/14/2020				149.9	151.9	-1.3	132.3													132.3	9006.5
Pump off #15	5/7/2020	798.4	783.1	-1.9	150.3	145.8	3.0	143.4	148.0	153.1	-3.4	149.4	145.2	142.1	2.1	138.7						
Pump off #16	5/8/2020	598.8	583.3	-2.7	147.2 142.1	149.4 140.3	-1.5 1.3	147.6 137.5	131.7	131.2	0.4	128.6					ł				707.7	9714.2
Pump on #16	5/28/2020 5/29/2020	390.0	303.5	-2.7	142.1	140.5	-0.4	137.5	135.1	134.8	0.2	131.7	115.0	116.6	-1.4	109.7					513.0	10227.2
Pumpoff #17	7/8/2020	970.1	956.3	1.4	100.0	150.5	0.1	10 111	100.1	10110	0.2	101.7	110.0	110.0	1.1	105.7					515.0	1022/12
-	7/9/2020				149.1	149.9	-0.5	146.8	148.8	145.5	2.2	142.5	149.2	149.9	-0.5	146.8						1
	7/10/2020				150.7	149.6	0.7	146.6	137.1	138.0	-0.7	135.2	119.9	119.0	0.8	116.5					834.4	11061.4
Pumpoff #18	7/22/2020	658.4	642.6	-2.5																		1
	7/27/2020 7/28/2020				129.9	129.9	0.0	127.8	140.6	140.6	0.0	137.7	138.2	138.2	0.0	135.7	139.8	139.8	0.0	137.5	C01 F	11002.1
Residual Tank	7/28/2020	<u> </u>	+		66.0	66.0	0.0	62.8	113	113	0.0	110.7					<u> </u>		+	ł	601.5 110.7	11663.1 11773.8
Pumpoff #19	9/1/2020	901.6	886.4	-1.7	128.2	128.2	0.0	125.6	135.5	135.5	0.0	132.6									110.7	11//0.0
	9/2/2020				131.2	131.2	0.0	128.3	136.8	136.8	0.0	134.0	134.8	134.8	0.0	132.0	135.9	135.9	0.0	133.0	785.5	12559.3
																						<u> </u>
Pumpoff #20	9/29/2020	464.2	450.9	-2.9	144.0	140.0	2.8	137.9	143.5	140.0	2.4	137.9										1
	9/30/2020	 	 		85.7	83.0	3.2	81.6			<u> </u>						 		 	 	357.4	12916.7
Residual Tank	10/1/2020	620.0	610.1	-1 9	136.5	131.0	4.0	128.6	145.2	145.0	0.2	142.1			<u> </u>				-		128.6	13045.3
Pumpoff #21	10/15/2020 10/16/2020	620.9	610.1	-1.8	139.0 147.2	139.0 144.0	0.0 2.2	130.8 142.5	145.3 136.0	145.0 135.0	0.2	142.1 132.9									548.3	13593.6
Pumpoff #22	11/16/2020	685.6	673.2	-1.8	147.2	144.0	2.2	139.7	143.4	142.0	1.0	140.1	146.4	140.0	4.4	128.3	t				5.0.5	10000.0
	11/17/2020			-	133.2	130.0	2.4	124.3													532.4	14126.0
Pumpoff #23	12/30/2020	781.7	784.3	0.3	146.1	140.0	4.2	137.3	146.8	140.0	4.6	138.6	145.2	137.0	5.6	133.9						
	12/31/2020	ļ			145.3	141.0	3.0	138.4	113.9	111.0	2.5	107.2		ļ			ļ		<u> </u>		655.4	14781.4
Pumpoff # 24	1/27/2021	676.5	663.9	-1.9	123.9	*	*	*						*		Ι.			1			i
	1/28/2021				141.0	-	*		140.2	140.0	0.1	137.7	146.8		*	*					F47 F	15200.0
rocidus! Tool	2/19/2021	+	{		146.0	135.0 101.5	7.5 -0.6	133.7 96.0	150.7	141.0	6.4	139.0	115.3	112.0	2.9	107.05	+	<u> </u>	ł	 	517.5 96.0	15298.9 15394.9
residual Tank Pumpoff #25	2/20/2021 3/8/2021	759.7	738.1	-2.9	100.9 144.6	101.5	-0.6	96.0 140.9	146.5	143.0	2.4	141.7	146.0	140.0	4.1	137.4					96.0 624.7	16019.5
1 01110011 #25	3/8/2021 3/9/2021	,	, 30.1	2.3	144.0	143.0	2.8	133.9	77.3	75.0	3.0	70.8	1-0.0	1-0.0	7.1	137.4					024.7	10015.5
Pumpoff #26-27	4/21/2021	498.2	472.6	-5.4	143.7	136.2	5.2	134.8	142.6	138.6	2.8	137.2			1		İ	1	1			[
	4/22/2021	553.0	544.3	-1.6	123.5	129.7	-5.0	128.0	146.4	146.7	-0.2	146.6	144.1	142.0	1.5	139.9						ł
L	4/23/2021	 	ļ		L			 	111.4	109.1	2.1	106.3					_		 	 	792.8	
Residual Tank	4/23/2021	1			132.5	131	1.1	127.0		1							1	1		1	127.0	16939.3

Total Fluid Reconciliation

				Truck 1	Truck 2	Truck 3	Truck 4	1		
		Total Fluid	Water Decanted	Total Fluids	Total Fluids	Total Fluids	Total Fluids	Residual	Total of Fluid	
		Frac Tank Strap	From Frac Tank	to Acadiana	to Acadiana	to Acadiana	to Acadiana	left in	From Trucks,	
		at Port Fourchon	Using Strap	NRC	NRC	NRC	NRC	Frac	Residual &	
	Date	by NRC (bbl)	Measurement (bbl)	Frac Strap (bbl)	Frac Strap (bbl)	Frac Strap (bbl)	Frac Strap (bbl)	Tanks (bbl)	Decant (bbl)	% Diff
Pump Off #1	4/26/2019	215.7	0.0	(661)	(001)	(001)	(001)	(001)	(661)	Dill
	5/6/2019			113.7	97.0	0.0	0.0	5.2	215.9	0.1
Pump Off #2	5/3/2019	223.5	15.6							
D 0// 110	5/8/2019			101.3	82.8	0.0	0.0	17.6	217.3	-2.8
Pump Off #3	5/13/2019 5/16/2019	331.2	0.0	103.2	126.4	108.5	0.0	16.2	354.3	-1.6
Pump Off #4	6/19/2019	905.5	32.5	139.4	138.7	0.0	0.0	10.2	310.6	1.0
	6/20/2019			137.7	140.7	140.6	144.1		563.1	
	6/21/2019			48.5	0.0	0.0	0.0	0.6	49.1	
Duran Off HE	PO4: Total	1105.5	06.2	120.2	442.7				922.8	-1.8
Pump Off #5	7/31/2019 8/1/2019	1196.6	96.3	139.2 139.1	142.7 140.7	146.0	138.0		281.9 563.8	
	8/2/2019			99.8	101.0	110.0	100.0	45.2	246.0	-0.7
	PO5: Total								1188.0	
Pump Off #6	8/26/2019	874.6	56.8	141.7	140.3	141.5			480.3	
	8/27/2019		*	140.5	137.2	61.3		57.9 *	396.9	0.3
Pump Off #7	PO6: Total 9/23/2019	880.4	41.3	138.0	144.3	142.6			877.2 466.2	0.5
	9/24/2019		*	144.4	143.7	55.3		55.3	398.7	
	P07: Total							*	864.9	-1.8
Pump Off #8	10/21/2019	787.4	27.2		151.0				27.2	
	10/22/2019 10/23/2019			143.9 137.7	154.3 130.0	144.0			442.2 267.7	
Residual Tank	10/23/2019	205.1	53.5	137.7	130.0	125.4		66.4	245.3	+
	PO8: Total								982.4	-1.0
Pump Off #9	11/19/2019		32.0	142.3	143.8	145.3			463.4	
	11/20/2019	757.8		145.6	92.1			55.6	293.3	
Pump Off #10	PO9: Total 12/17/2019	942.8	33.4	142.0	71.4	146.4			756.7 393.2	-0.1
Fullip Oll #10	12/18/2019	542.0	55.4	142.0	144.3	140.4	47.4	73.9	556.0	
	PO10: Total				-	-			949.2	0.7
Pump Off #11	1/9/2020	691.0	39.2	128.7	128.0	129.8		72.7	498.4	
Residual Tank	1/10/2020 1/8/2020	307.0	81.5	79.4 141.9	92.6			121.7	172.0 345.1	├
Residual Talik	PO11: Total	507.0	81.5	141.9				121.7	1015.5	1.8
Pumpoff #12	2/11/2020	722.5	49.1	1					49.1	
	2/12/2020		2.7	120.8	102.1	99.0		07.5	324.6	
	2/13/2020 PO12: Total		3.9	149.5	114.2			87.5 *	355.1 728.8	0.9
Residual tank	2/17/2020	265.8	93.6	108.2					201.8	
	2/18/2020		23.5					121.7	145.2	
Pumpoff #13	Resid Total 3/11/2020	570.2	39.6						347 39.6	-1.8
rumpon #15	3/12/2020	570.2	2.8	114.5	138.3				255.6	
	3/13/2020			93.6	120.0			63.7	277.3	
Pumpoff #14	PO13: Total 4/15/2020	928.8	55.1						572.5 55.1	0.4
rumpon #14	4/16/2020	520.0	55.1	147.2	145.2	148			440.4	
	4/17/2020			144.9	144.1	87.4		65.4	441.8	
Residual tank	PO14:Total 4/13/2020	244.1	67.6						937.3 67.6	0.9
Residual talik	4/13/2020	244.1	07.0	149.9				26.6	176.5	
									244.1	0.0
Pumpoff #15	5/6/2020 5/7/2020	783.1	18.3 1.2	150.3	148.0	145.2			18.3 444.7	
	5/8/2020		1.2	147.2	131.7	143.2		40.0	318.9	
	PO15: Total								781.9	-0.2
Pumpoff #16	5/27/2020	583.3	25.3	142.1					25.3	
	5/28/2020 5/29/2020			142.1 138.0	135.1	115.0		27.8	142.1 415.9	
	PO16: Total								583.3	0.0
Residual tank	5/27/2020	054.0	67.2					153.6		
Pumpoff #17	7/8/2020 7/9/2020	956.3	23.6 2.4	149.1	148.8	149.2			23.6 449.5	
	7/10/2020			150.7	137.1	119.9		63.3	471	
	PO17: Total	6.10 G							944.1	-1.3
Pumpoff #18	7/22/2020 7/27/2020	642.6	14.3	129.9	140.6	138.2	139.8	0.0		
L	7/28/2020		13.6	66.0	1-10.0	130.2	100.0	0.0	642.4	0.0
Residual Tank	7/22/2020	299.6	67.2					<u> </u>		
Pumpoff #19	7/28/2020 9/1/2020	886.4	31.3 7.8	113.0 128.2	135.5			84.5	296.0	-1.2
	9/1/2020 9/2/2020	000.4	7.0	128.2 131.2	135.5	135.9	134.8	76.2	885.5	-0.1
Residual Tank	8/31/2020	292.6	102.9					189.7	189.7	
Pumpoff #20	9/29/2020 9/30/2020	450.9	52.9	144.0 85.7	143.5			24.8	450.9	0.0
Residual Tank	9/30/2020	273.2	116.1	65./	<u> </u>	<u>⊦</u>		<u> </u>	<u> </u>	╆┦
	10/1/2020		2.7	136.5				17.9	273.2	0.0
Pumpoff #21	10/15/2020 10/16/2020	610.1	14.0	139.0 147.2	145.3 136.0			28.6	610.1	0.0
Residual Tank	10/16/2020	293.4	111.8	147.2	130.0			28.6 49.5	610.1 293.4	0.0
	10/15/2020		132.1							
Pumpoff #22	11/16/2020	673.2	68.7	146.5	143.4	146.4		22.2	673.3	
Pumpoff #23	11/17/2020 12/30/2020	784.3	2.7 30.3	133.2 146.1	146.8	145.2		32.3	673.2	0.0
	12/31/2020			145.3	113.9			56.7	784.3	0.0
D	1/27/2021	663.9	23.3							
Pumpoff #24	1/28/2021 2/19/2021		11.8	140.2 146.0	150.7	115.3		68.5	655.8	-1.2
Residual Tank	2/20/2021	164.8	31.1	140.0				32.8	164.8	0.0
Pumpoff # 25	3/3/2021	738.1	26.1							
	3/8/2021 3/9/2021		5.7	144.6 144.1	146.5 77.3	146.0		47.8	738.1	0.0
Pumpoff # 26-27	4/1/2021	1016.9	73.8	144.1	11.3			+7.0	/ 30.1	0.0
	4/20/2021		60.2	1						
	4/21/2021 4/22/2021		6.4	143.7 123.5	142.6 146.4	144.1		62.2	1014.3	
	4/22/2021 4/23/2021		0.4	123.5 111.4	140.4	144.1		02.2	1014.3	-0.3
Residual Tank	4/21/2021	216.9	9.4	132.5				23.8	Г	h
	4/22/2021		18.2						2455	
	4/23/2021		32.6	1			l		216.5	-0.2

Barrels of Oil Collected Daily

					Total	Net	RRS		
					Collection	Oil	Collection Rate	Collecti	on Rate
		Start Time		End Time	Duration	Collected	Of Oil	of	
	Start Date	(hrs)	End Date	(hrs)	(Days)	(bbl)	(bbl/day)	(gallor	n/day)
Collection Duration for 1st Trip	4/12/2019	0:00	4/23/2019	1:05	11.0	187.4	17.0	715.7	gallons/day
Collection Duration for 2nd Trip	4/23/2019	1:05	4/30/2019	21:09	7.9	181.6	23.0	965.6	gallons/day
Collection Duration for 3rd Trip	4/30/2019	21:09	5/12/2019	23:20	12.1	295.7	24.4	1026.5	gallons/day
Collection Duration for 4th Trip	5/12/2019	23:20	6/13/2019	17:17	31.5	850.0	27.0	1132.3	gallons/day
Collection Duration for 5th Trip	6/13/2019	17:17	7/21/2019	1:40	37.4	983.7	26.3	1104.7	gallons/day
Collection Duration for 6th Trip	7/21/2019	1:40	8/18/2019	3:15	28.6	757.2	26.5	1112.0	gallons/day
Collection Duration for 7th Trip	8/18/2019	3:15	9/12/2019	22:30	25.8	749.2	29.0	1219.6	gallons/day
Collection Duration for 8th Trip	9/12/2019	22:30	10/9/2019	10:15	26.5	675.8	25.5	1071.1	gallons/day
Collection Duration for 9th Trip	10/9/2019	10:15	11/10/2019	1:05	31.6	659.1	20.8*	875.5	gallons/day
Collection Duration for 10th Trip	11/10/2019	1:05	12/6/2019	10:25	25.9	818.6	31.6*	1327.5	gallons/day
Collection Duration for 11th Trip	12/6/2019	10:25	12/31/2019	22:25	25.5	567.2	22.2	934.2	gallons/day
Collection Duration for 12th Trip	12/31/2019	22:25	1/30/2020	17:50	29.8	528.8	17.7	745.3	gallons/day
Collection Duration for 13th Trip	1/30/2020	17:50	3/2/2020	2:00	31.3	456.4	14.6	612.4	gallons/day
Collection Duration for 14th Trip	3/2/2020	2:00	4/2/2020	1:15	31	798.4	25.8	1081.7	gallons/day
Collection Duration for 15th Trip	4/2/2020	1:15	4/25/2020	15:45	23.1	707.7	30.6	1286.7	gallons/day
Collection Duration for 16th Trip	4/25/2020	15:45	5/15/2020	18:40	20.1	513.0	25.5	1071.0	gallons/day
Collection Duration for 17th Trip	5/15/2020	18:40	6/18/2020	22:55	34.2	834.4	24.4	1024.8	gallons/day
Collection Duration for 18th Trip	6/18/2020	22:55	7/12/2020	15:10	23.7	601.5	25.4	1066.8	gallons/day
Collection Duration for 19th Trip	7/12/2020	15:10	8/13/2020	6:00	33.6	785.5	23.4	982.8	gallons/day
Collection Duration for 20th Trip	8/15/2020	6:00	9/2/2020	13:25	18.3	357.4	19.5	819.0	gallons/day
Collection Duration for 21st Trip	9/2/2020	13:25	10/4/2020	15:20	32.1	548.3	17.1	718.2	gallons/day
Collection Duration for 22nd Trip	10/4/2020	15:20	11/3/2020	16:10	30.0	532.4	17.7	743.4	gallons/day
Collection Duration for 23rd Trip	11/3/2020	16:10	12/10/2020	13:00	36.9	655.4	17.8	747.6	gallons/day
Collection Duration for 24th Trip	12/10/2020	13:00	1/9/2021	9:15	29.8	517.5	17.4	730.8	gallons/day
Collection Duration for 25th Trip	1/9/2021	9:15	2/21/2021	11:30	43.1	624.7	14.5	609.0	gallons/day
Collection Duration for 26th Trip	2/21/2021	11:30	3/15/2021	22:25	22.4	-	-		-
Collection Duration for 27th Trip	3/15/2021	22:25	4/8/2021	12:35	23.6	-	-		-
Collection Duration for 26-27th Trip	2/21/2021	11:30	4/8/2021	12:35	46.0	792.8	17.2	722.4	gallons/day

Barrels of Oil Collected Per Day Since RRS Install

					Total	Net	RRS		
					Collection	Oil	Collection Rate	Collecti	on Rate
		Start Time		End Time	Duration	Collected	Of Oil	of	Oil
	Start Date	(hrs)	End Date	(hrs)	(Days)	(bbl)	(bbl/day)	(gallor	n/day)
Average collection to date less									
residual tank	4/12/2019	0:00	4/8/2021	12:35	727.5	15,979.8	22.0	924.0	gallons/day
Total Collection to date	4/12/2019	0:00	4/8/2021	12:35	727.5	16,939.3	23.3	978.6	gallons/day

Totals from Pump off 1-27

	Bbl	Gal
Net Oil collected	16,939.3	711,450.6
Total Oily fluids collected:	19,022.2	756,222.6

Appendix 1

MC20 Product Removal and Transportation with Completed Documentation





Couvillion Group, I.I.C

Attachment A: Dockside Transfer – Transfer of Liquid and Crude Oil in Accordance with Maintenance

Date: <u>3 - 18 - 2</u>

Time Transfer Ended: ____

	Column A	Column B	Column C	Column D	Column E
	Residual Tank Volume From Prior Operation (bbl)	On Board the Vessel Tank Strap Measurement Prior to Start of Offloading (bbl)	Onshore Frac Tank Strap Measurement after Offloading (bbl)	Volume of Fluid (Column C-A) (bbl)	% Difference Column (D-B)/D * 100
Tank 1	0	(5730) 308.9	300.4	300.4	
Tank 2	Ĝ				
Tank 3	0	(Pori) 139.3	172.2	172.2	
Total	-0-	19.8.2	472.6	472.4	-5.4%

Note: If the % Difference is greater than 3% please attempt to explain the difference: Due To the list of the Vessel The were not able to get an accurate reading on the TANKS.

Sign-off by:	USCG Rep	Signed Nam	, Printed Name	Date: 18 Murz
	Couvillion Rep	o Signed Name:	Printed Name	Date: 3/18/2021
	Cypress Rep	Signed Nam	, Printed Name	_Date: 3/19/202
	NRC Rep	Signed Nam	, Printed Name	_Date: 3/18/202

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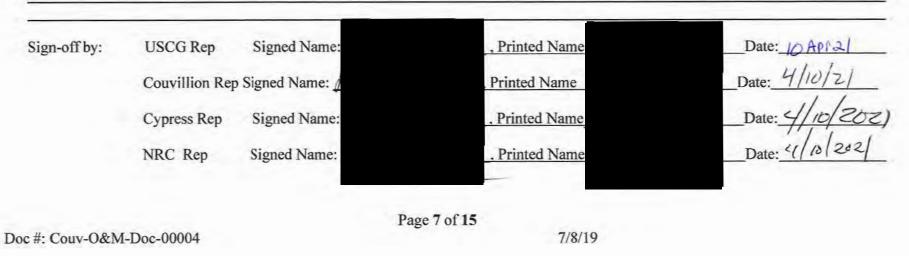
Attachment A: Dockside Transfer - Transfer of Liquid and Crude Oil in Accordance with Maintenance

0 2 Date:

Time Transfer Ended: 0920

	Column A	Column B	Column C	Column D	Column E
	Residual Tank Volume From Prior Operation (bbl)	On Board the Vessel Tank Strap Measurement Prior to Start of Offloading (bbl)	Onshore Frac Tank Strap Measurement after Offloading (bbl)	Volume of Fluid (Column C-A) (bbl)	% Difference Column (D-B)/D * 100
Tank 1	110.8	Port 216.0	323.3	212.5	
Tank 2	285.2		285.2	0.0	
Tank 3	0.0	St6d 337.0	331.8	331.8	
Total	396.0	553.0	940.3	544.3	-1.6°%

Note: If the % Difference is greater than 3% please attempt to explain the difference:



Couv-MC20-O&M-RPT-DOC-00053



1-21



Attachment D: Decanted Water from Frac Tanks to Disposal Facility

Date:

	Column A	Column B	Column C
	Beginning Tank Strap Measurement bbl	Decant and then Tank Strap Measurement bbl	Volume of oily water transferred to Disposal Facility Column B – Colum using Strap Measurement bbl
Tank 1	1722	112.0	60.2
Tank 2	300,4	286,8	3.6
Sidu Tank	216.9	207.5	9.4

Residual Volume left in Tanks

	Strap Measurement bbl
Tank 1	112.0
Tank 2	286-8
Tank 34	207.5

Sign-off by: USC	G Rep(Optional)	Signed Name	P	rinted Name		Date: 0/ APr 21
Couv	illion Rep	Signed Name:	F	Printed Name	-	Date: 4-1-21
NRC	Rep	Signed Name	Ē	Printed Name	-	Date 4-1-2/

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7/8/19





Attachment D: Decanted Water from Frac Tanks to Disposal Facility

Date: _4/20/21

	Column A	Column B	Column C
	Beginning Tank Strap Measurement bbl	Decant and then Tank Strap Measurement bbl	Volume of oily water transferred to Disposal Facility Column B – Colum using Strap Measurement bbl
Tank 1	323.3	288.7	34.6
Tank 2	285.2	282.9	2.3
Tank 3	331.8	308,5	23.3
Tanky	207.1	188.9	18.2

Residual Volume left in Tanks

	Strap Measurement
	bbl
Tank 1	288.7
Tank 2	282,9
Tank 3	308.5

Sign-off by: USCG Rep(Optional) Signed Nam

Couvillion Rep Signed Name

Signed Nam

NRC Rep

, Printed Name , Printed Name , Printed Name

Date: 264PR.2 Date

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Attachment B: Port Fourchon Shore Base On-Site Interim Tank Storage Measurements Before Offloading to Tank Trucks (Decanting of Water)

Date:

Time: 0800

Time Measurements begin after Vessel Offloading in hours: _

	Column A	Column A Column B			
	Tank Strap from Offloading (Initially use Column C from Attach A and on subsequent decants use Column D from this form) bbl	Today's Interim Tank Strap Measurement bbl	Tank Strap Measurement after Decanting bbl	Oily Water Mixture Volume Column (B-C) bbl	
Tank 1	323.3	323.3	288.7	34.6	
Tank 2	285.2	285.2	2.82.9	2.3	
Tank 3	331.8	331,8	308.5	23.3	
Tanky	207.1	207.1	188.9	18.2	
Total	940.3 Residual 207.1	940.3 resid 207.1	880.1 tonk 1889	60.2 Tank 18.2	

Sign-off by: USCG Rep (optional) Signed Name	, Printed Nam	Date: 20APR21
Couvillion Rep	Signed Name	Printed Name	Date: 4/20/2/
NRC Rep	Signed Name:	, Printed Nam	_Date: 4/20/2/

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Attachment C: WASTE MANAGEMENT TRACKING FORM

Oily Water Transportation and Net Crude Oil

Start Shipments Date: 4-21-21

Manifest Num ber	Transporter	Truck Number	Date	Receiving Facility	Manifested Volume loaded from Port Fourchon Frac Tank into Truck (bbl from Strap)	Volume received by Buyer (bbl by Strap)	Net Crude Oil bbls (Acadiana Oil Ticket)
	LtB	7508	4/21	AOC	1-13.7		
2	LtB	7633	4/21	AOC	142.6		
			-				
_	1						
	2						
	1	Total V	olumes Sl	hipped by Gallons/bbls	286.3		

End of Shipments date: 4 - 21-21

Sign-off by:USCG Rep (Op	tional) Signed Name		Printed Name	Date: 21 Apr 2/
Couvillion Rep	Signed Name:		Printed Name	Date: 4-21-21
NRC Rep	Signed Name:		Printed Name	Date 4-21 24
		Page 9 of 15		
Doc #: Couv-O&M-Doc-00004			7/8/19	





Attachment C: WASTE MANAGEMENT TRACKING FORM

Oily Water Transportation and Net Crude Oil

Start Shipments Date: 4/22/21

Manifest Number	Transporter	Truck Number	Date	Receiving Facility	Manifested Volume loaded from Port Fourchon Frac Tank into Truck (bbl from Strap)	Volume received by Buyer (bbl by Strap)	Net Crude Oil bbls (Acadiana Oil Ticket)
3	L+B	7508	4/22	AOC	123,5		
4	L+13	7633	4/22	AOC	146.4		
5	L+B	7569	4/22	AOC	144.1		
	1	Total V	/olumes S	hipped by Gallons/bbls	414.0		

End of Shipments date: <u>9724 T</u> Sign-off by:USCG Rep (Optional) Signed Name: Couvillion Rep Signed Name: NRC Rep Signed Name: Printed Name
Couv-MC20-O&M-RPT-DOC-00053





Attachment B: Port Fourchon Shore Base On-Site Interim Tank Storage Measurements Before Offloading to Tank Trucks (Decanting of Water)

Date: 4/22/21

Time: 0600

Time Measurements begin after Vessel Offloading in hours: _

	Column A	Column B	Column C	Column D		
	Tank Strap from Offloading (Initially use Column C from Attach A and on subsequent decants use Column D from this form) bbl	Today's Interim Tank Strap Measurement bbl	Tank Strap Measurement after Decanting bbl	Oily Water Mixture Volume Column (B-C) bbl		
Tank 1	323,3	288.7	282,9	5.8		
Tank 2	285.2	_	-	0		
Tank 3	331.8	164.8	64,4	0,4		
Tenti4	207.1	188.9	156.3	32,6		
Total				6.4 residual 32.6		

 Sign-off by: USCG Rep (optional) Signed Name
 Printed Name
 Date: 22 APP221

 Couvillion Rep
 Signed Name
 rinted Name
 Date: 4/22/21

 NRC Rep
 Signed Name
 Printed Name
 Date: 1/22/21

 Date: 1/22/21
 Date: 1/22/21

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Attachment C: WASTE MANAGEMENT TRACKING FORM

Oily Water Transportation and Net Crude Oil

Start Shipments Date: 4-23-21

Manifest Number	Transporter	Truck Number	Date	Receiving Facility	Manifested Volume loaded from Venice Frac Tank into Truck (bbl from Strap)	Volume received by Buyer (bbl by Strap)	Net Crude Oil bbls (Acadiana Oil Ticket)
6	6+13	7508	4/23	ADC	132,5		
7	AUC	228	4/23	AOC	111.4		
-							
		Total V	olumes Sh	ipped by Gallons/bbls	243,9		

End of Shipments date:	4-25-1	4
------------------------	--------	---

 Sign-off by:USCG Rep (Optional) Signed Name
 Printed Name
 Date: 23 APR 2)

 Couvillion Rep
 Signed Name:
 Printed Name)

 NRC Rep
 Signed Name:
 Printed Name)

 Date:
 4/23/21

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Attachment C: WASTE MANAGEMENT TRACKING FORM **Transportation Tracking of Petroleum Contaminated Solids**

Manifest Number	Transporter	Shipment Date	Receiving Facility	Manifested Volume (Yard)	Scaled Weight (Lb)	Comments (Box Numbers, etc.)
		-				
			1			

		X NO	Solids	71
Sign-off	by:USCG Rep(Option	nal) Signed Name	, Printed Name	Date: 23APP-21
	Couvillion Rep	Signed Name:	, Printed Name	Date: 4-23-21
	NRC Rep	Signed Name	, Printed Name	Date <u>4-23-2</u>

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Attachment C: WASTE MANAGEMENT TRACKING FORM Residual Frac Tank Bottoms

Date: 4 -23-21

Residual Volume left in Tanks

bbls	
27,4	
16.8	
18.0	
	27,4 16.8 18.0

Sign-off by:USCG Rep (Optio	onal) Signed Name	, Printed Name	Date: 23APR21
Couvillion Rep	Signed Name:	, Printed Name	Date: 4-23-21
NRC Rep	Signed Name:	, Printed Name	Date 4-23-2
			11 02 01

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7/8/19

Couv-MC20-O&M-RPT-DOC-00053





Attachment B: Port Fourchon Shore Base On-Site Interim Tank Storage Measurements Before Offloading to Tank Trucks (Decanting of Water)

Date: 4-1-21

Time:

Time Measurements begin after Vessel Offloading in hours: _____

	-	Column A	Col	umn B	Co	lumn C	Col	umn D
		Tank Strap from Offloading (Initially use Column C from Attach A and on subsequent decants use Column D from this form) bbl		Interim Tank leasurement bbl	Measur	nk Strap rement after ccanting bbl	Ve Colui	ter Mixture olume nn (B-C) bbl
	Tank 1	172.2	172.2		112.0)	60.2	
	Tank 2	300.4	300.4		286.	8	13,6	
resides	Tank & +		216.9		207.	5	9.4	
	Total		T1-3 472.6	216.9	TF3 398.8	207, 5	Tank 1-3 73.8	9.4

-Bu ou of	: USCG Rep (optional	, signed i tunte	, Printed Nam	Date: 01 Apr 21
	Couvillion Rep	Signed Name	Printed Name	Date: 4-1-21
	NRC Rep	Signed Name:	, Printed Nam	Date: 4-1-21

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7/8/19

Doc #: Couv-O&M-Doc-00004

Appendix II

NRC Waste Handling Documentation

COUVILLION DECLARATION OF INSPECTION - DOI 2

DECLARATION	OF INSPECT	TON PRIO	R TO B	ULK C	ARGO TI	RANSFER	
Date: 4-10-21	Location:	MC-20	GIS	Shipye	rel		_
Facility/Vehicle Number	Contraction of the local division of the loc		0+0	one f	Start Time	End Time	_
Vessel Name: B (and	I STORE IN CONTRACTOR INCOMENT		Star Sical		0645		-
	ton Borderlor)				0920	
Vessel Official Number:	C 1:				Total) (bbls):		_
Product Transferred:	Cinde oil		Est. Tra	insfer Vol	lume (bbls):		
Note	For Emergency 1	Notification Dis	charge an	nounts (Go	illons):		
Average most probable:			transferre .				
Maximum most probable:							-
Worst case discharge:							
Concerning the second sec							_
The following list refer	's to requirements	set forth in de	tail in 33	CFR 156.1	150 and 46 C	FR 35.35-30.	201
> The spaces on the left	are to be reviewed	by ALL PIC's	involved in	n the transf	fer and check	ed in agreemen	nt.
The right hand column	as are to be initiale	t by the approp	riate DIC o	nd/or noto	d as not appli	anble with (NI)	IAN
						cable with (IV/	A).
Items on the list are pr	ovided to indicate	that the detailed	l requirem	ents have b	been met		
	11			1	1 1	IC PIC	-
		<u>DPIC</u>				vering Receiv	
Verify PIC designation/				(b)	TS	25	_
Person In Charge (PIC):		ity and Available			T	25	
Personnel: Capable/Unit					T	25	-
Name, title and location					Tr	2F	
MC 20 Subsea Storage (procedures and particula	Offloading Operation	is & Maintenanco	e Manual pr	resent with	and Card		
with key personnel invo			ns to be foll	lowed and v	erified T	21	Ξ
Watch and shift arrange		0115				2F	
Cargo is Authorized for		anks			T	15	
Discuss if transfer will n			bly or receiv	ving facility	TC	15	
Discuss transfer rates an					TJ	9F	
(Facility/Vessel) properl		g vacuum and po	sitive tanks	pressure)	TS	ZF	1
Communications & No		100-00-00-00			75	JF	
§ Hoses and Connection - 33							
Nonmetallic hoses usabl			9		17 17	2F	
Proper connections (mus		wing):				1F	1
Fusion 100 hammer unio Quick-disconnect coupli		a alida a Cassina			TS	2F	-
Examine transfer hose m		i side of pump			TT T	J.F.	
Name of product handle		RVICE." or "HA	ZMAT SEI	RVICE"	75	27	-
§ Examine Transfer Hose con			Starr obs		1.5		
No unrepaired kinks, bu			fects		TT	17	
No cuts, slashes, or goug				ment	Tr	IF.	-
No external/internal dete	erioration				ń,	IP	_
§ Emergency shutdown - 330	CFR 156.170				.,		
Test emergency shutdo			the emerge	ncy shutdow		2F 2F	
Communication system					U	26	-
Verify operating properl	y (Electric, pneumat	ic, or mechanical	link to faci	ility; electro		zŕ	
voice) Record test info in physi	ical information				7	2F JF	
					19	34 1	
§ Examine closure device - 33		/loading and	00000011	for the C		JF.	8.5
Verify enough to blank of S. Inspect Small Discharge Co			connected	for transfer	T		
§ Inspect Small Discharge Co Inspect handling area an			anc)		1.0.0	10	
Couv-MC20-O&M-RPT-DOC-000		t less than 5 gain	JIIS).		U	23 of 74	

Pre-Transfer Conference and Agreement (Continued)				
	<u>TOPIC</u>		PIC Delivering	PIC Receiving
§ Insp	ect discharge containment equipment for oil & h	azardous liquids - 33CFR 154.545		
	Verify booming for oil or hazmat transfer (if require		Tr	2F
	Verify adequate amount of equipment and/or absorb			IF
	nspect condition of response equipment stored on f		アンジ	28
	Verify availability of at least 200 feet of containmen		T	IF
	Verify means of deployment.		Tr	NF
	ns of Communication - 33 CFR 154.560			- 1
	Verify continuous two-way voice communication b	etween vessel and facility PICs	TS	25
	Communications must meet the following require		113	1.
	Portable Radio:	cincints		
1	F Flammable or Combustible Liquids		TI	18
	. Marked or documented as intrinsically safe.		+	1
	2. Certified as intrinsically safe by national testing 1	abor cartification organization	V	TF
	Voice	abor certification organization.	- P	<i>d</i> .
	. Be audible.		57	21
	Test communications. SAT UNSAT		17 11	
			<u> </u>	24
	ect lighting systems - 33 CFR 154.570			
	Verify portable lighting for operations between sum		TJ	15
	At transfer operations work areas for facility and ve	ssel	TI	01
	At transfer connection points for facility and vessel		71	ØF
	Verify sufficient number or fire extinguishers.		TI	27
	Verify protective equipment is ready to operate.		J/	2F II
	Verify warning signs are adequate.	and the second second	1j	11
	§ VESSEL ONLY - 155.730 Compliance	e with VESSEL TRANSFER PRO	CEDURES §	
1	PIC for vessel/operator is required by §155.720 to h	ave current transfer procedures		71
I	Require vessel personnel to use the transfer procedu	res for each transfer operation		75
1	Available for inspection by the COTP or OCM1 who	enever the vessel is in operation		Tr
1	egibly printed language(s) understood by personne	el engaged in transfer operation		TÍ
	Permanently posted or available and used by member		tion	TI
1	Appropriate tank level monitoring (visual, gauging,	indicators, etc.)		71
	Arrangements to monitor draft marks during transfe			Tr
	Fransfer Piping Line diagram, location of each valve		verflow	17
5	Shutoff valve location or isolation device separating	bilge or ballast from the transfer sys		Ťŗ
	Adequate containment on the vessel at loading or di			Tr
	Drains, Scuppers and overboard discharges closed			57
	The number of persons required to be on duty during	g transfer operations:		T
	Procedures for emptying discharge containment syst		320	Tr
	Procedures for tending the vessel's moorings during			Tr
E	Procedures for emergency shutdown/communication	ns required by §§155.780 and 155.78	5	75
I	Procedures for topping off tanks			TI
F	Procedures ensuring all valves used during transfer	are closed upon completion of transf	er	T)
1	do certify that I have personally inspected the forementioned and that I have indicated that i	is facility or vessel with reference the regulations have been compl	e to the requiren ied with if applic	nents cable.
		the state of the s	410-21 1	0445
	PIC DELIVERING - NAME	TITLE	DATE	TIME
		pir	411.71	01045
F 7	PIC RECEIVING - NAME	TITLE	<u>7-10-71</u>	TIME
	en sur chier and chier of the off	CUL 0 0	1.10.01	000-
1	TRANSFER COMPLETED:	AMOUNT (GALLONS)	7-10-2] DATE	0 900 TIME

DECLARATION OF INSPECTION				
LOGATION & NAME OF FACILITY PORT Fourcher, Low Ilion	North	*/	10/2021	0630
NAME OF VESSEL 33 ad advine		DATE TRAN	SFER OPERATIONS S	STARTS
An oil transfer operation may not commence to or the by the respective transferring and receiving persons. Persons in charge indicate by a check ($$), in the ap	s in charge.			eed upon
 VESSEL A. The mooring lings are adequate for all an B. Cargo hoses and/or loading arms are long C. Cargo hoses are adequately supported to D. The transfer system is properly lined up for be performed each time a valve is repositing to or shut off. F. The cargo hoses and/or loading arms are devery other hole, (minimum of 4 bolts). End from the Captain of the Port. F. The cargo hoses and/or loading arms are devery other hole, (minimum of 4 bolts). End from the Captain of the Port. G. The overboard or sea suction valves are set H. Adequate spill containments have been pl. All scuppers or other overboard drains are J. A communications system is provided bet K. Emergency shutdown system is available L. Communication procedures are established M. Qualified and designated personnel are in N. One person at the vessel control station is station. D. The owner of the cargo hoses will insure covers, kinks, bulges, soft spots or gouge that hoses are marked for identification and P. Adequate lighting of the vessel and termin Q. Persons in charge have held a conference for the statical conference of transfer operation. J. The out tile and location of each persons in charge have held a conference for the statical strain is statical. J. A same or tile and location of each persons in charge have held a conference for the strain of the transferring and rece is the statical strain is statical. J. P. Adequate soft the transferring and rece is the strain of the transferring and rece is the statical strain of the transferring and rece is the strain of the transferring and rece is the statical strain strain of the transferring and rece is the strain s	ticipated conditions. genough for intended prevent undue strain for discharging or rec- ioned.)	I use	FA al checks shall ation is blanked and a bolt in stems per waiver rge. essel control stations, of the terminal control the hose has no loose be reinforcement and ded. following transfer op	SE J J J J J J J J J J J J J J J J J J J

...1. Warning signs and read warning signals (35.35-30).
...2. Repair work authorization (35.35-30).
...3. Boiler and galley fires safety (35.35-30). 71

- 77
- 77
- Tr ...4. Fires or open flames (35.35-30).
-5. Safe smoking space (35.35-30). 1

I certify that I have read, understand and agree with the foregoing as marked and agree to begin/continue the transfer operation.

PERSON IN CHARGE OF VESSEL	Title Thy	Date (1) Junio	PERSON IN CHARGE OF FACILITY	Title Time	ock
	05/2	4100		0515	4-10-21

The operator of each facility and the operator of each vessel shall retain a signed copy for at least a month.



SAFETY MANAGEMENT SYSTEM

aun

MC20

Job Hazard Analysis



24 01 27

		SUMMARY OF POTENT	IAL HAZARDS (Chec	k applicable)	
Heavy or a movement	wkward lifting /	Pinch Points or caugh			king surfaces; slip, trip, fall
New / Inex	perienced employe	es Spill / containment		Heat stress envir	ronment
Struck by c	or crush hazard	Noise levels (>85 dBA	0		
Hazardous	liquids, vapors, was	te Elevated surfaces / Fa	all / Ladders		
		APPLICABLE REG	ULATION / SOPS / A	LERTS	
SMS 19.2 \	/acuum Trucks	Π			
-		MINIMUM PERSONAL PROTE	CTIVE EQUIPMENT	(Check applicable)	
Level A	Hard Hat	High Visibility Vest		er Steel Toe Boots	PFD / Work vest
Level B	Safety Glasse			sable boot covers	
Level C	Face Shield	Chemical protective of	Contraction of the second s	rene Steel Toe Boots	
Level D	Hearing Prot		Glove		
		and the second sec	ZARD ANALYSIS		
O Jo	ob Steps	Potential Hazards		Preventive Mea	asures / Special PPE
	ob Meetings vior Based Safety	 Personnel do not understand operational plan, relevant ha or their roles/responsibilities Personnel do not stop work v hazards are identified Personnel do not report injur illnesses, near misses or incid 	vards when ries,	to all involved personne will be encouraged to a any project details Immediate supervisor wil Authority and Responsil supervisor if they discov	ed to report any injuries, illnesses,
	Survey and oment Set-up	 Uneven working surfaces and hazards. Equipment not certified, not or damaged Improper set-up due to untra or unqualified personnel 	tested •	 Inspect site for correctable walking surface hazards correct unsafe conditions. Position equipment and away from travel paths. Identify "no-go" areas. All equipment will be inspected for current certificatesting and serviceable working condition prior to Personnel will be pre-selected to perform tasks base 	
	cle movements	 Personnel, equipment or hos struck or crushed by moving vehicles or equipment Vehicles not inspected prior movements. Unsafe for trave Unsecured items create drop object or road hazards. 	to • el. oped •	 verified competency Ground guides will be used for equipment movement Non-essential personnel will clear the travel path. path will be confirmed as clear prior to movement: Vehicles will be inspected by drivers prior to travel a after travel for potential damage. Vehicles will be inspected to ensure that there are n loose items and that loads are secured properly. 	
	ring Vessel and King near water	 Personnel struck by thrown l caught in "line of fire". Personnel pinched or crushe during vessel movements. Personnel fall into the water overboard. 	d • . Man •	 to fall on the ground and pick them up. Do not attern catch mooring lines from the M/V. When mooring the vessel, keep hands, fingers, arms other body parts from between the mooring line and the statement of th	
5. Conr	necting hoses	 Personnel crushed or pinche while connecting transfer ho Personnel suffer back strain other ergonomic related inju during connections or movir hoses Slip/trip/fall hazards while w 	oses. or uries ng	Identify, communicate al including cam-lock com- parts or equipment Transfer hoses can be h hoses employees shall including keeping your as lifting with your knee	nd avoid all crush/pinch points: nections, vehicles and other moving neavy and when handling these use proper ergonomic practices back as straight as possible as well

1





Job Hazard Analysis

Job Steps	Potential Hazards	Preventive Measures / Special PPE
		awareness when walking in the dock area. Try to run hoses in an area that is out of the normal walking path and go around if possible
 Working in potentially hazardous atmospheres 	 Personnel exposed to hazards related to hazardous atmospheres. Ignition sources create potential for explosive conditions Personnel not equipped to suppress incipient fire 	 Calibrated multi-gas meters/detectors will be used to confirm that LEL's, CO and other gases are within safe range for pumping and transfer operations. Operations will transfer operations will stop immediately if LEL's or Carbon Monoxide levels become elevated A protective distance of 100' outside shoreside transfer will be identified, and marked with caution tape and warning signs, to prohibit smoking, sparks and any potential source of ignition within the transfer area perimeter. The M/V will suspend all similar activities for the duration of transfer operations. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
 Energizing pneumatic equipment 	 Personnel injured when struck by hoses or pressure during hose connection or fitting failure. Air leaks or blowout causing pressure related injuries. Hearing loss/injury due to noise levels above 85 decibels 	 All pressurized hoses will have whip checks and safety clips installed prior to energizing. All pneumatic hoses will be inspected prior to use. Pumping operations will be stopped immediately if leaks are detected during operations. Defective hoses will be replaced with new hoses/whips. Hearing protection will be worn in all areas where high-noise machinery and equipment is being operated.
8. Transfer of recovered crude oil	 Personnel contacted by crude oil spray or environmental release. Overfilling tank resulting in spills Personnel overcome by potentially hazardous vapors 	 All transfer hoses used will be inspected, certified and tester prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropylen line will be used as an added retention measure. Personne will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. The DOI Declaration of Inspection will be completed prior to operations. Prior to transfer the amount of product that can be accepte will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among there can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection will be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
9. Transfer of oil into transporter	 Personnel contacted by crude oil spray or environmental release Overfilling transportation vessel resulting in spills Personnel overcome by potentially hazardous vapors Fall hazards present if personnel are working above 6 feet 	 All transfer hoses used will be inspected, certified and tester prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropyler line will be used as an added retention measure. Personne will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. Prior to transfer the amount of product that can be accepte will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among the can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are



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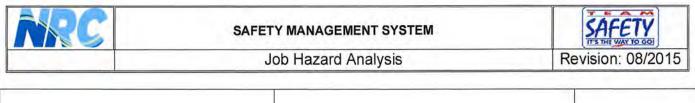
Job Hazard Analysis

Job Steps	Potential Hazards	Preventive Measures / Special PPE
		 detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection will be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
 Prolonged exposure to elements (Heat Stress) 	 Inadequate hydration Extended work periods without rest resulting in heat stress 	 Personnel will be encouraged to hydrate frequently. Water to sports drink ratio will be 3:1 (1 sports drink to 3 waters consumed). Work to rest schedules will be determined based on the ambient temperature, acclimatization of personnel and work being performed. Heat stress potential and signs/symptoms will be discussed at all safety meetings, tailgate meetings and during breaks. Personnel will be encouraged to self-report any early symptoms of heat stress. All personnel will be advised that stop work authority applies to potential heat stress symptoms they may be experiencing, (or that they suspect with coworkers).
11. Break time	 Potential for ingestion of petroleum product or other contaminants. Fire hazards from unrestricted smoking Direct sun reduces recovery time for workers during breaks Inadequate water 	 Personnel will wash hands before smoking, eating, drinking or any other activity where contaminants might be ingested. This hazard will be stressed in break areas. Only smoke in designated areas. Ensure that break areas have adequate shade and cooling potential for personnel Personnel are more likely to hydrate when cool water is available. Ensure an adequate supply and include sports drinks with electrolytes to be consumed sparingly.
12. Decontaminate Personnel	 Potential for secondary contamination by absorption, injection, or ingestion 	 Follow decontamination plan for clothing removal and disposal when protective outerwear is required and becomes contaminated. Only use safety scissors (never knives) to cut Tyvek from personnel. Ensure that workers wash hands and face thoroughly.
NRC INCIDENT REPORTING POLICY	 First Aid OSHA recordable Illness/Injury Near Miss Equipment/Vehicle Damage 	 NRC employees and subcontractors are required to immediately report all incidents to their supervisor. The immediate supervisor will immediately report the incident to the site safety professional, HSEQ Manager, and Project Manager. As soon as possible the affected employee will complete the required form, if an injury then the first report of injury; if near miss, then a near miss / safety suggestion form will be completed. The supervisor will complete a root cause analysis of all reported incidents and submit to the HSEQ manager within 8 hours of an incident. Determination will be made regarding need for post-incident drug and alcohol testing based on NRC policy. Contact HSEQ Manager for proper USCG reports, if needed and what report is needed.

REVIEW

Development Team	Position/Title	Reviewed By	Position/Title	Date
Peter Brause, CSP	H&S Program Manager			7/27/20
			PM	4/10/200
	ACI	NOW		





inrc		SAFETY MANAGE	MENT SYSTEM		SAFETY IT'S THE WAY TO GOT
Form 8.1.7	Project Name:	Site Specific MC20 Recovered	Safety Plan ed Crude Oil Trar	nsfer	Revision: 08/2019
	NRC PROJ	ECT PERSONNEL	AND EMERGENC	Y CONTACTS	
Date: 4-10	-2024	Start Time:	0630	Job Numb	er: <u>19-0192</u>
Land En	nergency Respon	se 🗌 Marine Emerg	ency Response 🗌	Land Service 🛛] Marine Service
	SIT	E DESCRIPTION	N / WORK SUM	MARY	
The site is the Port F	ourchon Facility: !	554 Dudley Bernard R	d. Port Fourchon, LA	A. 70357 (985) 39	96-4518
					RR
NRC will facilitate ren	noving recovered	crude oil from the we	Il located at MC20 p	roject. The M/V	has been
		cation and transfer th			her deck. The vessel will
walled frac tanks on					
		non docks are ready for	or transfer the crude	will then be trar	nsferred into bulk
transporter trailers to	be sent to its fin				
		SCOPE	OF WORK		
transfer hose and affixe vessel will transfer the operator will open the r Once the transfer is cor	ted and tested mar ed to the frac tanks. crude oil in her tank next manifold valve mplete a 1-inch airli	nifold. The manifold has Once the connections susing a 4-inch pneum and close the active one	one inlet and three ou are secured and the d atic diaphragm pump. e. This process will co g will be given to the f	tlets. Each outlet v eclaration of inspec As the frac tanks ntinue until all thre M/V's crew to send	e connected to the hoses will be fitted with a 3-inch ction (DOI) is complete, the near capacity the dockside er frac tanks are at capacity. compressed air up the hose sconnected.
		he Port Fourchon Dock f railers to be sent to final		crude oil will be pu	mped using a 3-inch



SAFETY MANAGEMENT SYSTEM



Site Specific Safety Plan

Project Name: MC20 Recovered Crude Oil Transfer

EQUIPMENT

Air Compressor (One aboard the M/V

- One on Port Fourchon Facility Properties)

- 4-inch pneumatic diaphragm pumps
- Petroleum Duty transfer hoses rated and inspected accordingly
- Safety Clips for Cam-lock connections and Chicago fittings
- Containment pans for diaphragm pumps and each hose connection (on the deck of the M/V as well as the Port Fourchon Facility Dock)
- Sorbent pads / Polly to wrap around each hose connection as spill prevention
- Whip Checks for each air line connection coming from the air compressor
- Intrinsically safe handheld VHF radios (Means of Communication between PIC of vessel and PIC of dock)

33

Supplied Air Breathing System

ATTACHMENTS

ttachment	TITLE	Attachment	TRUME
А	Safety Data Sheets	F	Diagram of dock layout
В	SMS 8.1.5 Daily Safety Meeting form - Maritime	1	
С	SMS 13.2 Respiratory Protection		1
D	Incident / Near Miss / RCA		
E	DOI		

R	SAFETY MANA	GEMENT SYSTEM	SAFETY
Form 8.1.7	Site Specif Project Name: <u>MC20 Recov</u>	ic Safety Plan ered Crude Oil Transfer	Revision: 08/2019
Site Safety	/ Office	AN APPROVAL	4/20/2021
	ACKNOWLEDGMENTS (signature) I have read and understand the topics outlined on m aware that I am to sign in at the beginning of the I must notify the on site supervisor of any injur I understand that I have the right to stand down for r an injury/accident/near miss is reported, the Site	shift and sign out at the end of my shift on the I y /accident/ near miss that I had or observed d Safety and report any potential hazards to the	quired safety rules. Daily Safety Meeting form. Juring my shift**
Date	Print Name	Signatu	ire
4/10/21 4/10/21 4/10/21 4/10/21			
		1	



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Job Hazard Analysis

Revision: 08/2015

TASK DESC	RIPTION: MC 2	20 Reco	overed Crude Oil / Vessel t	o Shore 1	Γransfer 𝒴−.	2/-2/
S. S. M.		Sec.	SUMMARY OF POTENTIAL HAZA	RDS (Check	applicable)	
Heavy or awkward lifting /		Pinch Points or caught between		Working and walking surfaces; slip, trip, fall		
🗌 New / Inexp	erienced employee	es	Spill / containment		Heat stress enviro	nment
Struck by or	crush hazard		🛛 Noise levels (>85 dBA)			
Hazardous I	iquids, vapors, was	te	Elevated surfaces / Fall / Ladd	ers		
1-44		1.1	APPLICABLE REGULATION	/ SOPS / AL	ERTS	
SMS 19.2 Va	acuum Trucks					
		M	NIMUM PERSONAL PROTECTIVE EC	QUIPMENT (Check applicable)	
Level A	Hard Hat	s	☐ High Visibility Vest ☑ Long Sleeves / Coveralls		r Steel Toe Boots able boot covers	⊠ PFD / Work vest
Level C	Face Shield	5	Chemical protective clothing		ene Steel Toe Boots	
🛛 Level D	Hearing Prote	ection	Respirator:	Gloves		
		1	JOB HAZARD A	NALYSIS		
	b Steps b Meetings	Pe	Potential Hazards ersonnel do not understand the		Preventive Meas	rds and controls will be explained
Behav	vior Based Safety	or or Pe ha Pe illi	perational plan, relevant hazards their roles/responsibilities ersonnel do not stop work when azards are identified ersonnel do not report injuries, nesses, near misses or incidents	• Ir • Pe	to all involved personnel will be encouraged to ask any project details mmediate supervisor will Authority and Responsibil supervisor if they discove ersonnel will be instructed near misses or incidents	in Safety/Ops meeting. Personnel a questions if they are unsure of remind their crews of their lity to Stop work and contact their r a hazard d to report any injuries, illnesses,
	urvey and ment Set-up	ha • Ec or • In	neven working surfaces and trip azards. quipment not certified, not tested damaged nproper set-up due to untrained unqualified personnel	• A	correct unsafe condition away from travel paths. Il equipment will be insp testing and serviceable v ersonnel will be pre-sele verified competency	ected for current certifications, working condition prior to work cted to perform tasks based on
3. Vehici	le movements	sti ve • Ve m • U	ersonnel, equipment or hoses ruck or crushed by moving chicles or equipment chicles not inspected prior to ovements. Unsafe for travel. nsecured items create dropped oject or road hazards.	• V	Non-essential personnel path will be confirmed a (ehicles will be inspected after travel for potential (ehicles will be inspected loose items and that loa	to ensure that there are no ds are secured properly.
worki	ing Vessel and ng near water	ca • Pe du • Pe	ersonnel struck by thrown lines or nught in "line of fire". ersonnel pinched or crushed uring vessel movements. ersonnel fall into the water. Man verboard.	• W	to fall on the ground and catch mooring lines from Vhen mooring the vessel, other body parts from be bits on the dock lever work alone. All pers are required to wear a U "man overboard" proceder and recovery plan in place	keep hands, fingers, arms, and all tween the mooring line and the onnel within 5' of the docks edge SCG approved PFD. Always discuss ures prior to work. Have life ring re.
5. Conne	ecting hoses	• Pr o d h	ersonnel crushed or pinched hile connecting transfer hoses. ersonnel suffer back strain or ther ergonomic related injuries uring connections or moving oses lip/trip/fall hazards while working	• 7	including cam-lock conne parts or equipment Transfer hoses can be he hoses employees shall us including keeping your ba as lifting with your knees	a avoid all crush/pinch points: actions, vehicles and other moving avy and when handling these se proper ergonomic practices ack as straight as possible as well and not your back and maintain situational





Job Hazard Analysis

Job Steps	Potential Hazards	Preventive Measures / Special PPE
		awareness when walking in the dock area. Try to run hoses in an area that is out of the normal walking path and go around if possible
 Working in potentially hazardous atmospheres 	 Personnel exposed to hazards related to hazardous atmospheres. Ignition sources create potential for explosive conditions Personnel not equipped to suppress incipient fire 	 Calibrated multi-gas meters/detectors will be used to confirm that LEL's, CO and other gases are within safe range for pumping and transfer operations. Operations will transfer operations will stop immediately if LEL's or Carbon Monoxide levels become elevated A protective distance of 100' outside shoreside transfer will be identified, and marked with caution tape and warning signs to prohibit smoking, sparks and any potential source of ignition within the transfer area perimeter. The M/V will suspend all similar activities for the duration of transfer operations. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
 Energizing pneumatic equipment 	 Personnel injured when struck by hoses or pressure during hose connection or fitting failure. Air leaks or blowout causing pressure related injuries. Hearing loss/injury due to noise levels above 85 decibels 	 All pressurized hoses will have whip checks and safety clips installed prior to energizing. All pneumatic hoses will be inspected prior to use. Pumping operations will be stopped immediately if leaks are detected during operations. Defective hoses will be replaced with new hoses/whips. Hearing protection will be worn in all areas where high-noise machinery and equipment is being operated.
 Transfer of recovered crude oil 	 Personnel contacted by crude oil spray or environmental release. Overfilling tank resulting in spills Personnel overcome by potentially hazardous vapors 	 All transfer hoses used will be inspected, certified and tester prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropyler line will be used as an added retention measure. Personne will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. The DOI Declaration of Inspection will be completed prior to operations. Prior to transfer the amount of product that can be accepte will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among the can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection w be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
9. Transfer of oil into transporter	 Personnel contacted by crude oil spray or environmental release Overfilling transportation vessel resulting in spills Personnel overcome by potentially hazardous vapors Fall hazards present if personnel are working above 6 feet 	 All transfer hoses used will be inspected, certified and tester prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropyler line will be used as an added retention measure. Personnwill wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. Prior to transfer the amount of product that can be accepted will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among the can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are



SAFETY MANAGEMENT SYSTEM



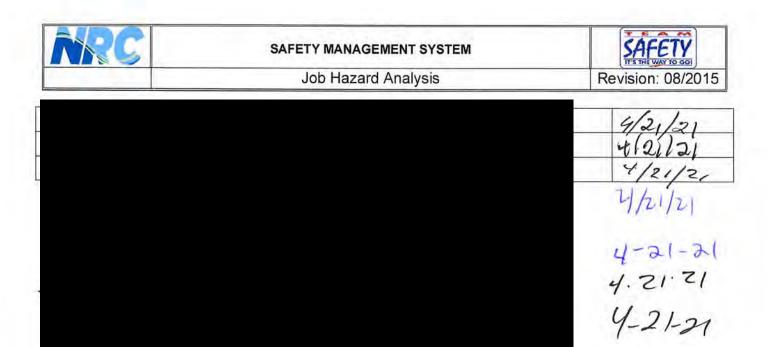
Job Hazard Analysis

Job Steps	Potential Hazards	Preventive Measures / Special PPE
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11. Break time	 Potential for ingestion of petroleum product or other contaminants. Fire hazards from unrestricted smoking Direct sun reduces recovery time for workers during breaks Inadequate water 	 Personnel will wash hands before smoking, eating, drinking or any other activity where contaminants might be ingested. This hazard will be stressed in break areas. Only smoke in designated areas. Ensure that break areas have adequate shade and cooling potential for personnel Personnel are more likely to hydrate when cool water is available. Ensure an adequate supply and include sports drinks with electrolytes to be consumed sparingly.
12. Decontaminate Personnel	 Potential for secondary contamination by absorption, injection, or ingestion 	 Follow decontamination plan for clothing removal and disposal when protective outerwear is required and becomes contaminated. Only use safety scissors (never knives) to cut Tyvek from personnel. Ensure that workers wash hands and face thoroughly.
NRC INCIDENT REPORTING POLICY	 First Aid OSHA recordable Illness/Injury Near Miss Equipment/Vehicle Damage 	 NRC employees and subcontractors are required to immediately report all incidents to their supervisor. The immediate supervisor will immediately report the incident to the site safety professional, HSEQ Manager, and Project Manager. As soon as possible the affected employee will complete the required form, if an injury then the first report of injury; if near miss, then a near miss / safety suggestion form will be completed. The supervisor will complete a root cause analysis of all reported incidents and submit to the HSEQ manager within 8 hours of an incident. Determination will be made regarding need for post-incident drug and alcohol testing based on NRC policy. Contact HSEQ Manager for proper USCG reports, if needed and what report is needed.

REVIEW

Position/Title	Reviewed By	Position/Title	Date
H&S Program Manager			7/27/20
		4-21-21	PM
AC	CKNOWLEDGEMENT		
Name	Signature		Date
		4	21-21
		11	21-2
	H&S Program Manager	H&S Program Manager ACKNOWLEDGEMENT	H&S Program Manager 4-21-21 ACKNOWLEDGEMENT

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Job Hazard Analysis

Revision: 08/2015

Pumpoli #27

TASK DESCR	TASK DESCRIPTION: MC 20 Recovered Crude Oil / Vessel to Shore Transfer					
SUMMARY OF POTENTIAL HAZARDS (Check applicable)						
Heavy or aw movement	/kward lifting /		Pinch Points or caught betwee	n	Working and walki	ng surfaces; slip, trip, fall
New / Inexp	erienced employee	es	Spill / containment		Heat stress enviro	nment
Struck by or	crush hazard		Noise levels (>85 dBA)			
Hazardous li	iquids, vapors, was	te	Elevated surfaces / Fall / Ladd	ers		· · · · · · · · · · · · · · · · · · ·
21.02.0	APPLICABLE REGULATION / SOPS / ALERTS					
SMS 19.2 Va	acuum Trucks					
	A A A A A A A A A A A A A A A A A A A	MI	NIMUM PERSONAL PROTECTIVE EC	QUIPMENT (Check applicable)	
Level A	🖂 Hard Hat		High Visibility Vest	🖾 Leathe	er Steel Toe Boots	PFD / Work vest
Level B	Safety Glasse	S	Long Sleeves / Coveralls	Dispos	able boot covers	
Level C	Face Shield		Chemical protective clothing	· · ·	ene Steel Toe Boots	<u> </u>
Level D	Hearing Prote	ection	Respirator:	Gloves		
	h Chaus		JOB HAZARD A	NALYSIS	0 D	
	b Steps b Meetings	• Pe	Potential Hazards ersonnel do not understand the	• T	Preventive Meas be operational plan, baza	rds and controls will be explained
Behav	Behavior Based Safety • F • F		perational plan, relevant hazards their roles/responsibilities ersonnel do not stop work when azards are identified ersonnel do not report injuries, nesses, near misses or incidents	• Ir • P	will be encouraged to ask any project details mmediate supervisor will Authority and Responsibil supervisor if they discove	d to report any injuries, illnesses,
	Equipment Set-up hi Equipment Set-up hi In fill the set of the s		neven working surfaces and trip azards. quipment not certified, not tested damaged nproper set-up due to untrained unqualified personnel	• A • P	correct unsafe condition away from travel paths. Il equipment will be insp testing and serviceable v	e walking surface hazards. Flag or s. Position equipment and hoses Identify "no-go" areas. bected for current certifications, working condition prior to work ected to perform tasks based on
s v • \ r • \		st ve • Ve m • U	ersonnel, equipment or hoses ruck or crushed by moving whicles or equipment ehicles not inspected prior to ovements. Unsafe for travel. nsecured items create dropped oject or road hazards.	• V • V	Non-essential personnel path will be confirmed a 'ehicles will be inspected after travel for potential 'ehicles will be inspected loose items and that loa	to ensure that there are no ds are secured properly.
working near water caught in "line of fire". Personnel pinched or cr during vessel movemen		ersonnel pinched or crushed uring vessel movements. ersonnel fall into the water. Man	• V	to fall on the ground and catch mooring lines from When mooring the vessel, other body parts from be bits on the dock lever work alone. All pers are required to wear a US "man overboard" procedu and recovery plan in plac	keep hands, fingers, arms, and all atween the mooring line and the onnel within 5' of the docks edge SCG approved PFD. Always discuss ures prior to work. Have life ring te.	
5. Conne	ecting hoses	• P o d h	ersonnel crushed or pinched while connecting transfer hoses. ersonnel suffer back strain or ther ergonomic related injuries uring connections or moving oses lip/trip/fall hazards while working	•	including cam-lock conne parts or equipment Transfer hoses can be he hoses employees shall us including keeping your b as lifting with your knees	d avoid all crush/pinch points: ections, vehicles and other moving avy and when handling these se proper ergonomic practices ack as straight as possible as well and not your back ng and maintain situational





Job Steps	Potential Hazards	Preventive Measures / Special PPE
		awareness when walking in the dock area. Try to run hoses in an area that is out of the normal walking path and go around if possible
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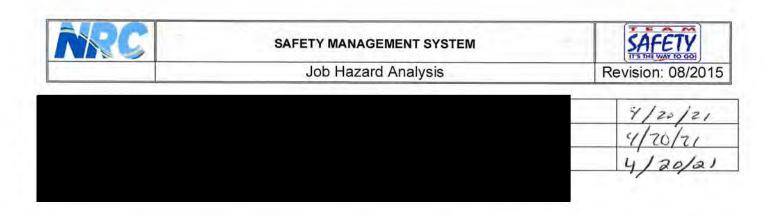


Job Hazard Analysis

Job Steps	Potential Hazards	Preventive Measures / Special PPE
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REVIEW

Development Team	Position/Title	Reviewed By	Position/Title	Date
Peter Brause, CSP	H&S Program Manager			7/27/20
			PM	21-20
		ACKNOWLEDGEMENT		
Employee	e Name	A /Signature		Date
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TASK DESCR	TASK DESCRIPTION: MC 20 Recovered Crude Oil / Vessel to Shore Transfer $\sqrt{-22-2/}$						
SUMMARY OF POTENTIAL HAZARDS (Check applicable)							
Heavy or aw movement	kward lifting /		Pinch Points or caught betwee	n	Working and walki	ing surfaces; slip, trip, fall	
New / Inexpe	erienced employe	es	Spill / containment		Heat stress enviro	nment	
Struck by or	crush hazard		Noise levels (>85 dBA)				
Hazardous lie	quids, vapors, was	te	Elevated surfaces / Fall / Ladd	ers			
	APPLICABLE REGULATION / SOPS / ALERTS						
SMS 19.2 Vacuum Trucks							
		М	NIMUM PERSONAL PROTECTIVE EC	QUIPMENT (Check applicable)		
□ Level A ⊠ Hard Hat □ Level B ⊠ Safety Glasses □ Level C □ Face Shield ⊠ Level D ⊠ Hearing Protection			High Visibility Vest High Visibility Vest Coveralls Chemical protective clothing Respirator: JOB HAZARD A	Dispos	r Steel Toe Boots able boot covers ene Steel Toe Boots :	PFD / Work vest	
Job	Steps	122	Potential Hazards	ALIJIJ	Preventive Meas	sures / Special PPE	
1. Pre-job Meetings Behavior Based Safety • F		or or Pe ha Pe ill	ersonnel do not understand the perational plan, relevant hazards r their roles/responsibilities ersonnel do not stop work when azards are identified ersonnel do not report injuries, nesses, near misses or incidents	• Ir • Pe	he operational plan, haza to all involved personnel will be encouraged to ask any project details mmediate supervisor will Authority and Responsibi supervisor if they discove ersonnel will be instructe near misses or incidents	ards and controls will be explained in Safety/Ops meeting. Personnel < questions if they are unsure of remind their crews of their lity to Stop work and contact their er a hazard d to report any injuries, illnesses,	
Equipment Set-up h • E o • Ir		ha • Ec or • In	Jneven working surfaces and trip • Jnazards. • Guipment not certified, not tested • or damaged • mproper set-up due to untrained • or unqualified personnel •		correct unsafe condition away from travel paths. Il equipment will be insp testing and serviceable v	le walking surface hazards. Flag or ns. Position equipment and hoses Identify "no-go" areas. Dected for current certifications, working condition prior to work ected to perform tasks based on	
3. Vehicle	e movements	st ve • Ve m • U	ersonnel, equipment or hoses ruck or crushed by moving ehicles or equipment ehicles not inspected prior to lovements. Unsafe for travel. nsecured items create dropped bject or road hazards.	• V	Non-essential personnel path will be confirmed a 'ehicles will be inspected after travel for potential 'ehicles will be inspected loose items and that loa	I to ensure that there are no ds are secured properly.	
workin	ng Vessel and g near water	Ca Pe di Pe	ersonnel struck by thrown lines or aught in "line of fire". ersonnel pinched or crushed uring vessel movements. ersonnel fall into the water. Man verboard.	• W	to fall on the ground and catch mooring lines from vhen mooring the vessel, other body parts from be bits on the dock lever work alone. All pers are required to wear a U "man overboard" proced and recovery plan in place	keep hands, fingers, arms, and all etween the mooring line and the connel within 5' of the docks edge SCG approved PFD. Always discuss ures prior to work. Have life ring	
5. Conne	cting hoses	• P o d h	ersonnel crushed or pinched while connecting transfer hoses. ersonnel suffer back strain or ther ergonomic related injuries uring connections or moving oses lip/trip/fall hazards while working	• 1	including cam-lock conne parts or equipment Transfer hoses can be he hoses employees shall us including keeping your b as lifting with your knees	ections, vehicles and other moving avy and when handling these se proper ergonomic practices ack as straight as possible as well	





Job Steps	Potential Hazards	Preventive Measures / Special PPE
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4/22/21

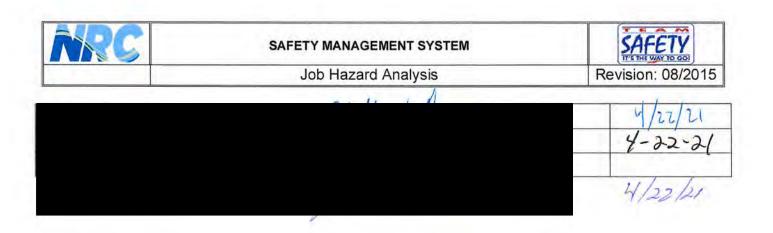
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Job Hazard Analysis

O Job Steps	Potential Hazards	Preventive Measures / Special PPE
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REVIEW

Development Team	Position/Title	Reviewed By	Position/Title	Date
	&S Program Manager			7/27/20
			PM	4-22-2
	ACI	KNOWLEDGEMĚNT		
Employee Nam		Date 4-22-21		







TASK DESCR	TASK DESCRIPTION: MC 20 Recovered Crude Oil / Vessel to Shore Transfer $(-23-2i2)$						
126123.24	SUMMARY OF POTENTIAL HAZARDS (Check applicable)						
Heavy or aw movement	kward lifting /		Pinch Points or caught betwee	en 🛛 Working and walking surfaces; slip, trip, fall		ing surfaces; slip, trip, fall	
New / Inexpe	erienced employe	es	Spill / containment		Heat stress enviro	onment	
Struck by or	crush hazard		Noise levels (>85 dBA)				
Hazardous li	quids, vapors, was	te	Elevated surfaces / Fall / Ladd	ers			
R 19 10 11	APPLICABLE REGULATION / SOPS / ALERTS						
SMS 19.2 Va	cuum Trucks	_					
	A CONTRACTOR	MI	NIMUM PERSONAL PROTECTIVE EC	QUIPMENT (Check applicable)		
Level A Level B Level C Level D	Hard Hat		High Visibility Vest Long Sleeves / Coveralls Chemical protective clothing Respirator: JOB HAZARD AI	Dispos	r Steel Toe Boots able boot covers ene Steel Toe Boots :	 ☑ PFD / Work vest ☑ □ 	
Job	Steps	1.22	Potential Hazards		Preventive Meas	sures / Special PPE	
Behavi	1. Pre-job Meetings Behavior Based Safety O P h h • P		ersonnel do not understand the operational plan, relevant hazards their roles/responsibilities ersonnel do not stop work when azards are identified ersonnel do not report injuries, nesses, near misses or incidents	t v • Ir • • Pe	 The operational plan, hazards and controls will be explain to all involved personnel in Safety/Ops meeting. Personr will be encouraged to ask questions if they are unsure o any project details Immediate supervisor will remind their crews of their Authority and Responsibility to Stop work and contact th supervisor if they discover a hazard Personnel will be instructed to report any injuries, illnesse near misses or incidents 		
Equipment Set-up h: Equipment Set-up h: o Ir		ha • Ec or • Im	Jneven working surfaces and trip nazards. Equipment not certified, not tested or damaged mproper set-up due to untrained or unqualified personnel		correct unsafe condition away from travel paths. Il equipment will be insp testing and serviceable v	le walking surface hazards. Flag or is. Position equipment and hoses Identify "no-go" areas. Dected for current certifications, working condition prior to work ected to perform tasks based on	
	e movements	st ve • Ve m • Ui ot	ersonnel, equipment or hoses ruck or crushed by moving whicles or equipment ehicles not inspected prior to ovements. Unsafe for travel. nsecured items create dropped oject or road hazards.	• Vi ; • V	Non-essential personnel path will be confirmed a ehicles will be inspected after travel for potential ehicles will be inspected loose items and that loa	to ensure that there are no ds are secured properly.	
working near water cauge Pers durii Pers		ersonnel struck by thrown lines or nught in "line of fire". ersonnel pinched or crushed uring vessel movements. ersonnel fall into the water. Man verboard.	 to fall on the ground and pick them up. Do not atter catch mooring lines from the M/V. When mooring the vessel, keep hands, fingers, arms, other body parts from between the mooring line and 		pick them up. Do not attempt to the M/V. keep hands, fingers, arms, and all tween the mooring line and the onnel within 5' of the docks edge SCG approved PFD. Always discuss ures prior to work. Have life ring te.		
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Job Steps	Potential Hazards	Preventive Measures / Special PPE
		awareness when walking in the dock area. Try to run hoses in an area that is out of the normal walking path and go around if possible
 Working in potentially hazardous atmospheres 	 Personnel exposed to hazards related to hazardous atmospheres. Ignition sources create potential for explosive conditions Personnel not equipped to suppress incipient fire 	 Calibrated multi-gas meters/detectors will be used to confirm that LEL's, CO and other gases are within safe range for pumping and transfer operations. Operations will transfer operations will stop immediately if LEL's or Carbon Monoxide levels become elevated A protective distance of 100' outside shoreside transfer will b identified, and marked with caution tape and warning signs, to prohibit smoking, sparks and any potential source of ignition within the transfer area perimeter. The M/V will suspend all similar activities for the duration of transfer operations. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
 Energizing pneumatic equipment 	 Personnel injured when struck by hoses or pressure during hose connection or fitting failure. Air leaks or blowout causing pressure related injuries. Hearing loss/injury due to noise levels above 85 decibels 	 All pressurized hoses will have whip checks and safety clips installed prior to energizing. All pneumatic hoses will be inspected prior to use. Pumping operations will be stopped immediately if leaks are detected during operations. Defective hoses will be replaced with new hoses/whips. Hearing protection will be worn in all areas where high-noise machinery and equipment is being operated.
 Transfer of recovered crude oil 	 Personnel contacted by crude oil spray or environmental release. Overfilling tank resulting in spills Personnel overcome by potentially hazardous vapors 	 All transfer hoses used will be inspected, certified and tester prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropylen line will be used as an added retention measure. Personne will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. The DOI Declaration of Inspection will be completed prior to operations. Prior to transfer the amount of product that can be accepted will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among ther can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection will be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
9. Transfer of oil into transporter	 Personnel contacted by crude oil spray or environmental release Overfilling transportation vessel resulting in spills Personnel overcome by potentially hazardous vapors Fall hazards present if personnel are working above 6 feet 	 All transfer hoses used will be inspected, certified and tester prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropylen line will be used as an added retention measure. Personne will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. Prior to transfer the amount of product that can be accepte will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among ther can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are





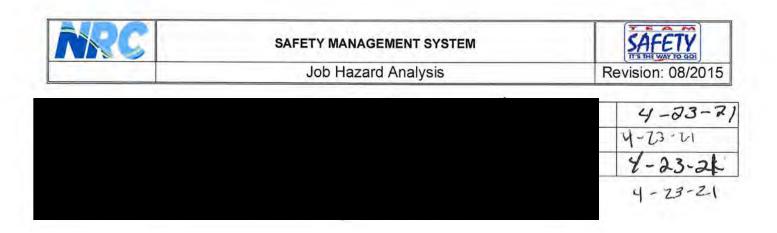
Job Hazard Analysis

Job Steps	Potential Hazards	Preventive Measures / Special PPE
		 detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection will be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
 Prolonged exposure to elements (Heat Stress) 	 Inadequate hydration Extended work periods without rest resulting in heat stress 	 Personnel will be encouraged to hydrate frequently. Water to sports drink ratio will be 3:1 (1 sports drink to 3 waters consumed). Work to rest schedules will be determined based on the ambient temperature, acclimatization of personnel and work being performed. Heat stress potential and signs/symptoms will be discussed at all safety meetings, tailgate meetings and during breaks. Personnel will be encouraged to self-report any early symptoms of heat stress. All personnel will be advised that stop work authority applies to potential heat stress symptoms they may be experiencing, (or that they suspect with coworkers).
11. Break time	 Potential for ingestion of petroleum product or other contaminants. Fire hazards from unrestricted smoking Direct sun reduces recovery time for workers during breaks Inadequate water 	 Personnel will wash hands before smoking, eating, drinking or any other activity where contaminants might be ingested. This hazard will be stressed in break areas. Only smoke in designated areas. Ensure that break areas have adequate shade and cooling potential for personnel Personnel are more likely to hydrate when cool water is available. Ensure an adequate supply and include sports drinks with electrolytes to be consumed sparingly.
12. Decontaminate Personnel	 Potential for secondary contamination by absorption, injection, or ingestion 	 Follow decontamination plan for clothing removal and disposal when protective outerwear is required and becomes contaminated. Only use safety scissors (never knives) to cut Tyvek from personnel. Ensure that workers wash hands and face thoroughly.
NRC INCIDENT REPORTING POLICY	 First Aid OSHA recordable Illness/Injury Near Miss Equipment/Vehicle Damage 	 NRC employees and subcontractors are required to immediately report all incidents to their supervisor. The immediate supervisor will immediately report the incident to the site safety professional, HSEQ Manager, and Project Manager. As soon as possible the affected employee will complete the required form, if an injury then the first report of injury; if near miss, then a near miss / safety suggestion form will be completed. The supervisor will complete a root cause analysis of all reported incidents and submit to the HSEQ manager within 8 hours of an incident. Determination will be made regarding need for post-incident drug and alcohol testing based on NRC policy. Contact HSEQ Manager for proper USCG reports, if needed and what report is needed.

REVIEW

Development Team	Position/Title	Reviewed By	Position/Title	Date
Peter Brause, CSP	H&S Program Manager	i i i i i i i i i i i i i i i i i i i		7/27/20
			pm	4/23/2
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		ACKNOWLEDG	EMENT	
-	Employee Name		Signature	Date
				4/23/21
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TASK DESCR	RIPTION: MC 2	0 Reco	overed Crude Oil / Vessel 1	to Shore T	Fransfer -</th <th>-1-2021</th>	-1-2021	
10.3 - P. 12-			SUMMARY OF POTENTIAL HAZA	RDS (Check	applicable)	MARK STREET, ST	
Heavy or aw movement	kward lifting /		Pinch Points or caught betwee	n	Working and walki	ng surfaces; slip, trip, fall	
New / Inexp	erienced employee	es	Spill / containment		Heat stress enviro	nment	
Struck by or	crush hazard		Noise levels (>85 dBA)				
🛛 Hazardous li	iquids, vapors, was	te	Elevated surfaces / Fall / Ladd	ers			
	he shared set	8 R. ² I.	APPLICABLE REGULATION	/ SOPS / AL	ERTS	State of the second	
SMS 19.2 Va	cuum Trucks						
STREET COMMENT	a contraction of the	MI	NIMUM PERSONAL PROTECTIVE EC	QUIPMENT (Check applicable)		
Level A Level B Level C Level C	Hard Hat Safety Glasse Face Shield Hearing Prote		Long Sleeves / Coveralls		er Steel Toe Boots able boot covers ene Steel Toe Boots s:	 ○ PFD / Work vest □ □ 	
	o Steps		JOB HAZARD A Potential Hazards	NALYSIS	Preventive Meas	uros / Special DDE	
1. Pre-job Meetings Behavior Based Safety •		or or • Pe ha • Pe	ersonnel do not understand the berational plan, relevant hazards their roles/responsibilities ersonnel do not stop work when azards are identified ersonnel do not report injuries, nesses, near misses or incidents	 The operational plan, hazards and controls will be explained to all involved personnel in Safety/Ops meeting. Personnel will be encouraged to ask questions if they are unsure of any project details Immediate supervisor will remind their crews of their Authority and Responsibility to Stop work and contact their supervisor if they discover a hazard Personnel will be instructed to report any injuries, illnesses, near misses or incidents 			
Equipment Set-up		ha • Ec or • In	 hazards. Equipment not certified, not tested or damaged 		correct unsafe condition away from travel paths. Il equipment will be insp testing and serviceable of	e walking surface hazards. Flag or s. Position equipment and hoses Identify "no-go" areas. Dected for current certifications, working condition prior to work ected to perform tasks based on	
3. Vehicl	e movements	st ve • Ve m • U	ersonnel, equipment or hoses ruck or crushed by moving chicles or equipment chicles not inspected prior to ovements. Unsafe for travel. nsecured items create dropped oject or road hazards.	• V	Non-essential personnel path will be confirmed a (ehicles will be inspected after travel for potential (ehicles will be inspected loose items and that loa	l to ensure that there are no ds are secured properly.	
 4. Mooring Vessel and working near water • 		during vessel movements.		 When tossing the mooring lines to the shore allow the to fall on the ground and pick them up. Do not atter catch mooring lines from the M/V. When mooring the vessel, keep hands, fingers, arms, other body parts from between the mooring line and bits on the dock Never work alone. All personnel within 5' of the docks are required to wear a USCG approved PFD. Always "man overboard" procedures prior to work. Have life and recovery plan in place. 		the M/V. keep hands, fingers, arms, and all tween the mooring line and the sonnel within 5' of the docks edge SCG approved PFD. Always discuss ures prior to work. Have life ring te.	
5. Conne	ecting hoses	• P o d h	ersonnel crushed or pinched while connecting transfer hoses. ersonnel suffer back strain or ther ergonomic related injuries uring connections or moving oses lip/trip/fall hazards while working	•	including cam-lock conne parts or equipment Transfer hoses can be he hoses employees shall us including keeping your b as lifting with your knees	d avoid all crush/pinch points: ections, vehicles and other moving avy and when handling these se proper ergonomic practices ack as straight as possible as well s and not your back ng and maintain situational	





Job Steps	Potential Hazards	Preventive Measures / Special PPE
		awareness when walking in the dock area. Try to run hoses in an area that is out of the normal walking path and go around if possible
 Working in potentially hazardous atmospheres 	 Personnel exposed to hazards related to hazardous atmospheres. Ignition sources create potential for explosive conditions Personnel not equipped to suppress incipient fire 	 Calibrated multi-gas meters/detectors will be used to confirm that LEL's, CO and other gases are within safe range for pumping and transfer operations. Operations will transfer operations will stop immediately if LEL's or Carbon Monoxide levels become elevated A protective distance of 100' outside shoreside transfer will be identified, and marked with caution tape and warning signs, to prohibit smoking, sparks and any potential source of ignition within the transfer area perimeter. The M/V will suspend all similar activities for the duration of transfer operations. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition.
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 Transfer of recovered crude oil 	 Personnel contacted by crude oil spray or environmental release. Overfilling tank resulting in spills Personnel overcome by potentially hazardous vapors Hydrogen Sulfide (H2S) Detected during transfer. 	 All transfer hoses used will be inspected, certified and tested prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropylen line will be used as an added retention measure. Personne will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. The DOI Declaration of Inspection will be completed prior to operations. Prior to transfer the amount of product that can be accepted will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among then can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gases are detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection will be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential ignition. All personnel involved in the transfer process will be wearing a personal H2S Detector worn in their breathing zone. If H2S is detected above 5 PPM, the operations will stop, and all essential personnel will don their Supplied Air Respiratory Protection (SAR) and evacuate all non-essential personnel from the area during the transfer. There will be support personnel will be used, all personnel will be used and all essential personnel will be operation. If H2S is detected above 5 PPM, the operations will stop, and all essential personnel will don their Supplied Air Respiratory Protection (SAR) and evacuate all non-essential personnel from the area during the transfer. There will be support personnel upwind with SAR capabilities on site for rescue purposes during this operation.





Job Steps	Potential Hazards	Preventive Measures / Special PPE
9. Transfer of oil into transporter	 Personnel contacted by crude oil spray or environmental release Overfilling transportation vessel resulting in spills Personnel overcome by potentially hazardous vapors Fall hazards present if personnel are working above 6 feet 	 All transfer hoses used will be inspected, certified and tested prior to use. They will be secured with safety clips and wrapped with absorbent pads and duct tape. Polypropylene line will be used as an added retention measure. Personnel will wear Level D PPE and increase protection as appropriate. Spill control kits/supplies will be available on site. Prior to transfer the amount of product that can be accepted will be calculated and the PIC will ensure that there is ample room to handle the transferred product. Crude oil is a mixture of various hydrocarbons. Among them can be benzene, hydrogen sulfide, and other chemicals. There will be a properly calibrated and bump tested 4-gas meter on site during transfer to ensure vapors aren't present. All work will stop if hazardous gasses are detected. PPE will be upgraded according to the concentration of hazards detected. If personnel will work at heights above 6': fall protection will be worn and a rescue plan will be in place. Fire extinguishers will be placed at the transfer manifolds, compressors, vessel and any other areas of potential
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12. Decontaminate Personnel	 Potential for secondary contamination by absorption, injection, or ingestion 	 Follow decontamination plan for clothing removal and disposal when protective outerwear is required and becomes contaminated. Only use safety scissors (never knives) to cut Tyvek from personnel. Ensure that workers wash hands and face thoroughly.
13. COVID 19 Protocol	 Personnel infected with COVID-19 could spread it to others in the work area. 	 Employees will follow all CDC, Local, State, and Federal guidance regarding Social Distancing. All personnel must remain at least 6' from one another on the worksite at all times. Only personnel essential to the operation will be allowed in the work area. If any employee is displaying symptoms related to COVID19 they will be removed from work and follow the US Ecology / NRC return to work guidance issued by corporate. The Symptoms in question are Fever (Above 100.4F, Dry Cough, and Shortness of breath) Dockside personnel will not interact with personnel aboard the M/V during transfer operations. If an emergency were





Potential Hazards	Preventive Measures / Special PPE
	 to arise where dockside personnel need to board the M/V they will be wearing proper PPE and will decontaminate anything touched while on board the vessel. All trucks, handles, switches, controls, doors, etc (frequently touched items) will be decontaminated frequently, at minimum prior to use and once the work task is complete. All personnel on site will have adequate supplies to decontaminate frequently touched surfaces such as disinfectant wipes, hand sanitizer, and a cleaner approved for use as a virucide. All breaks will be taken individually, or employees will set themselves at least 6 feet away from one another to accomplish the social distancing demand due to the current pandemic.
 First Aid OSHA recordable Illness/Injury Near Miss Equipment/Vehicle Damage 	 NRC employees and subcontractors are required to immediately report all incidents to their supervisor. The immediate supervisor will immediately report the incident to the site safety professional, HSEQ Manager, and Project Manager. As soon as possible the affected employee will complete the required form, if an injury then the first report of injury; if near miss, then a near miss / safety suggestion form will be completed. The supervisor will complete a root cause analysis of all reported incidents and submit to the HSEQ manager within 8 hours of an incident. Determination will be made regarding need for post-incident drug and alcohol testing based on NRC policy. Contact HSEQ Manager for proper USCG reports, if needed
	 First Aid OSHA recordable Illness/Injury Near Miss

REVIEW

Development Team	Position/Title	Reviewed By	Position/Title	Date
Peter Brause, CSP	HSEQ Manager		T ostilony neic	8/14/2019
			pm	4-1-20

Employee Name	Classifiant	Date
		4-1-21
		4-1-21
		4-1-21
		4-1-21

E.R.R.LLC EVERGREEN

No. 12029

NON-HAZARDOUS MANIFEST

		GEN	NEF	RATOR		
Generator	-		_	I.D. #		
Address		and the second	_	Shipping Locat	tion	
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Phone		14.0	_ 1	Phone		
Description Waste Mate	rials	Profile Number	Tota	al Quantity	Units of Measur	e Container Type
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					5	
		SHIPPING	SEA	AL NUMBER	S	
					1.0	
All entr	y poir	nts must have a seal	. Wit	thout seal ship	oment will be return	ed.
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	and the second	
Generator Authorized Agent Name (Print)	Signature	Delivery Date
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Transporter Name	Driver Name	
I.D. #	Truck Number	
Address	Truck Type	
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Driver Signature Shipment Date	Driver Signature Deliver	y Date
DESTI	NATION	
I.D. Number	Time In Time Ou	ıt
Site Name Belle Chasse Outfall #001	Phone Number (504) 554-9285 (
Address 9875 Hwy 23 South, Belle Chasse, LA 700 I HEREBY ACKNOWLEDGE RECEIPT OF THE ABOVE DE		
Authorized Agent Name (Print)	Signature	Receipt Date

White - Original

Canary - Disposer Retain

Signature Pink - Transporter Retain Receipt Date Gold - Generator Retain

E.R.R.LLC EVERGREEN

No. **11971**

NON-HAZARDOUS MANIFEST GENERATOR

Generator		_	I.D. #			
Address		_	Shipping Locat	ion		
		_	Address			
Phone		_	Phone			1
Description Waste Materials	Profile Number	To	al Quantity	Units of Me	asure	Container Type
	SHIPPING	C C E	AL NUMBER	s		
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All entry poi	nts must have a seal	. W	ithout seal shir	oment will be r	eturneo	1.
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Address						
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I.D. Number Ender Loros Site Name Belle Chasse Outf	all #001		Time Phone			ne Out 285 (504) 512-1039
Address 9875 Hwy 23 Sout	h, Belle Chasse, LA EIPT OF THE ABOVE			ERIALS.		
Authorized Agent Name (Print)		_	Signature			Receipt Date
White - Original Cana	ry - Disposer Retain		Pink - Trans	porter Retain	G	old - Generator Retair 54 of 74

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NOTICE: Shippers of hazardous materials must enter 24-hour emergency response telephone number under "Emergency Response Phone Number.	Date		Shipper	ading No		
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The agreed or declared value of the property is hereby specifically stated The carrier shall by the shipper to be not exceeding	not make delivery of this -t-			and all other		Appropriate [
\$per						ight prepaid
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the	the issue of this Bill of La "	wor Consignor)			Coll	lect
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of in d condition of contents of packages unknown), marked, consigned, and destined as indicated corporation in possession of the property under the contract) agrees to carry to its usual pro- stination. It is mutually agreed as to each carrier of all or any of, said property over all or ty, that every service to be performed hereunder shall be subject to all the terms and conditions of the said bill of lading, set forth in the applicable motor carrier ipper and conditions of the said bill of lading, set forth in the classification or tariff which ipper and accepted for himself and his assigns.	A above thich said carrier (the place of delivery at said destina any portion of said route to di- tions of the Uniform Domestic classification or tariff, if this a governs the transportation of	word carrier be tition, if on its ro estination and as Straight Bill of L is a motor carr f this shipment,	scribed above in app ling understood thro ute, otherwise to de s to each party at a ading set forth (1) i ier shipment. Shippe and the said terms	parent good on ughout this co- aliver to anothe ny time interes in Uniform Frei an hereby certil and conditions	der, except ntract as r sted in all o ght Classifi fies that he are heref	as noted (cor meaning any pr on the route to or any of said ications in effe e is familiar w by agreed to b
insportation Regulations the designate Hazardous Materials as defined in the U.S. Department of	The format and content of bazards	nue item liet in the				
te of Federal Regulations. Also when shipping hazardous materials on Bills of Lading per 172.201(a) (1) (iii) of Title 49 is of Federal Regulations. Also when shipping hazardous materials, the shipper's certification statement scribed in section 172.204(a) of the Federal Regulations, as indicated on the Bill of Lading does apply.	172, Subpart C-Shipping Papers. 5 tions 172.201 (Hazardous Matar Proper shipping name, bazardous	S as described in 4 Such description co val Table) and Sect	9 Code of Federal Regunsists of the following p	er Sec- 2,203 may	lamage ii be appl	limitation for n this shipr licable. See
ller material.	and addatolary class(es).	GIGBS, ON KORITING	auun numper, packing			Code, Sect
ER	CARRIER					
	PER					
This is to certify that the above named materials are properly classified, packaged, marked, and labeled, and are in proper condition for transportation according to the	Carrier acknowledges receipt o tion was made available and/o or equivalent documentation in	f nooline :				

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esponse t Shipping			mergency Response Phor						8	Shipper	No.	7	
unbhuið	Joine	· · · · · · · · · · · · · · · · · · ·	LHS Tran		of Carrier)				(Carrier M	No		
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Route:			Vehicle I	No.			SCAC			Emer	rgency le Num	Response ber 1952	3
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Vote-When	re the rat fically in w	e is dependent on val riting the agreed or de	ue, shippers are required to eclared value of the property.	Subject to Section recourse on the	n 7 of the consigner t	onditions,	if this ship	ment is to be	delivered t	o the consi	gnee wi	hout FF	EIGHT CHARG
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B	001 00 001	per											reight prepaid
· RECEN	VED, subje	ct to the classification	s and lawfully filed tariffs in eff	ect on the date of	the issue of	f this Bill	(Signature)	of Consignor)	deerribed a	have in an	apont a		Collect
corporation stination. .y, that even date here terms and ipper and a	n in posse It is mutu- ery service sof, if this id condition ccepted fo	its of packages Unknow sission of the property ally agreed as to each to be performed here is a rail or a rail-wat ns of the said bill of 1 r himself and his assign	s and lawfully filed tariffs in aff wn), marked, consigned, and c under the contract) agrees to carrier of all or any of, said under shall be subject to ail t ar shipment or (2) in the appl ading, set forth in the classific s.	estined as indicate carry to its usual property over all or he terms and cond icable motor carrie action or tariff whice	d above whi place of deli any portion itions of the r classificatio h governs t	ch said c ivery at sa 1 of said r 2 Uniform 0n or tari he transp	arrier (the aid destinat route to de Domestic S iff, if this is ortation of	word carrier ion, if on its stination and Straight Bill o s a motor ca this shipmen	being unde route, othe as to each Lading set arrier shipm t, and the	rstood thro rwise to de party at a t forth (1) nent. Shippe said terms	iny time iny time in Unifor er hereb and cor	this contract a another carrie interested in m Freight Cla y certifies tha nditions are he	as meaning any p on the route to all or any of said ssifications in effe t he is familiar w areby agreed to t
ark with "RG ansportation optional me	" if approp Regulations thod for ide	riate to designate Hazart s governing the transport ntifying hazardous materi a Aleo when shinping ha	dous Materials as defined in the tition of hazardous materials. The als on Bills of Lading per 172.201 tardous materials, the shipper's ce gulations, as indicated on the Bill orovided in the Regulation for a per	U.S. Department of use of this column is (a)(1) (iii) of Title 49	The format pany interp 172, Subpa tions 172.2	and conter retation of art C-Shippi 201 (Hazar oping name	nt of hazardo requirements ing Papers. S rdous Materi a, hazardous	us item list is t s as described i such description ial Table) and S class, UN iden	ne responsibi n 49 Code of consists of t ections 172:	lity of individu Federal Reg he following (202 and 17	ual com- ulations per Sec- 72,203:	Note: Liabil or damage may be a United Sta	ity limitation for in this ship pplicable. See tes Code, Sec I)(A) and (B).
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DELIVERY 04/23/21 DATE	TIME 11:00	DELIVE			RUCK O.	TF NC	AILER).	
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ME DEPARTED FROM TERMINA ACCESSORIAL CHARGES CHECK ALL THAT APPLY RAILER RENTAL	LOADING	т	OWER EXTRA HOSE (FT)		WASH OUT	IN-TRANSIT HEAT		LAYOVI
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Destinatio	on 13e	mark 11.	Zip Code	105	Origin	Birte	and the	Zip C		Response.	
loute:	thomas		Vehicle No.	7503	5	SCAC		Pho	ne Num		25535
No. Shipping Units	+HM	Kind of Packaging, Description of Special Marks and Except	ions ordinary ca	iust be so marked ire. See Section 2	accial or additional care and packaged as to en (e) of National Motor Fr	sure safe transpo	rtation with	Weight (Subject to Correction)*	Rat	te or Class	CHARGES
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state spec The agree by the ship \$	ifically in w d or declar oper to be	e is dependent on value, shippers i riting the agreed or declared value of ed value of the property is hereby sp not exceeding per	of the property. re pecifically stated The ch	course on the ne carrier chall narges	n 7 of the conditions consignor, the consi pot wake delivery	of this contract (Signature of	the followin	ig statement.		other Check	
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nsportation optional m de of Feder scribed in	Regulations ethod for ide al Regulation section 172	riate to designate Hazandous Materials governing the transportation of hazardou nuffying hazardous materials on Bills of Le s. Also when shipping hazardous materia 204(a) of the Faderal Regulations, as in from the neuricement is ormidad in the F	us materials. The use o ading per 172.201(a)(1 Is, the shipper's certific licated on the Bill of La	of this column is) (iii) of Title 49 ation statement ding does apply	pany interpretation o 172, Subpart C-Ship tions 172,201 (Haz	f requirements as ping Papers. Such ardous Material 1 ne, hazardous clas	described in description o able) and Set	e responsibility of indivi 49 Code of Federal Re consists of the following ctions 172,202 and 1 fication number, packin	per Sec- 72.203:	or damage may be ap	y limitation for in this shipr pplicable. See es Code, Sect ((A) and (B).
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ER		ercity that the above named material I labeled, and are in proper condition sgulations of the U.S. Department of T			PER						

	- L	& B TR	ANSPO	RT, L.I	C.	NIGH	TS AWAY:	1000
ORDER NO. 372007		702 Hwy 190 Phone (225) 3	West, Port A 387-0894 1	llen, LA 707 -800-545-94	67 401		TCHER	1
CUSTOMER P.O.		ORDERED BY	DOUGT		RELEAS	BE	1. A.	
LOAD 04/22/21 DATE	TIME 06:00	LOADING DRIVER	ODDD	ľ	TRUCK7508		RAILEBOO280)
DELIVERY 04/22/21 DATE	TIME 11:00	DELIVERY DRIVER			TRUCK NO.		RAILER	
BILL TO LEGACY INDUSTRIE 308 St George Ave Jefferson, LA 70121 SHIPPER COUVILLION DOCK Inside GIS yard 554 Dudley Bernard F		182	SIGNEE ADIANA OIL 25 River road wick, LA 70342	*				1
TRAILER APPROVED & AUTHOR Shipper Signature	DIED TO LOAD:	TS BASIC DES	SCRIPTION					QUANTIT
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THAT APPLY	DELIVERY			•		N		
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	, OF ILL, FIP			INCT CAL	LCHEN	NIKEC'1	-800-4/24-9	9300

response telephon Shipping Orde	of hazardous materials must e e number under "Emergency F r	lesponse Phone Number.			Bill of La Shipper		_
		Contra (1 and 1) Martin	of*Carrier)		Carrier	No	
TO: Consignee	adium O.I Lon	12ny	FROM: Shipper	villen Do	LK (GES	5)	
Street 16	25 Biver Kel		Street 554	Delle,	Be want	te.	
Destination	Berwick A	Zip Code 70842	Origin Pert	Ferreis	Zip C	ode 70357	
Route:		Vehicle No. 7633	SCAC		Eme	rgency Response ne Number 1445	8255 m
Shipping Units +HM	Kind of Packaging, Description Special Marks and Except	of Articles Communities requiring sy stowing must be so marked ordinary care See Section 2	pecial or additional care or attentio I and packaged as to ensure safe t (e) of National Motor Fraight Class	n in handling or ransportation with ification, item 360.	Weight (Subject to Correction)*	Rate or Class	CHARGES
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*If the shipment mov	es between two ports by a	REMIT	C.O.D.	C.O.D. FEE:		TOTAL	
	law requires that the bill of lading (is "carrier's or shipper's weight", A		Amt. \$	PREPAID C	\$	CHARGES: \$	
Note-Where the rat state specifically in w	e is dependent on value, shippers riting the agreed or declared value	are required to Subject to Section of the property.	n 7 of the conditions, if this sh consignor, the consignor shal	nipment is to be d	elivered to the cons	ignee without FR	EIGHT CHARG
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r-corporation in passe lestination it is mutu	nts of packages unknown), marked, o ession of the property under the con ally access as to each carrier of all	consigned, and destined as indicated itract) agrees to carry to its usual (d above which said cerrier (th place of delivery at said destin	ne word carrier be nation, if on its ro	ing understood thru ute, otherwise to d	eliver to another carrier	on the route tr
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he terms and condition hipper and accepted for	ns of the said bill of lading, set fort r himself and his assigns.	th in the classification or tariff which	h governs the transportation	of this shipment,	and the said terms	and conditions are her	reby agreed to b
lark with "Hu" it approp	riate to designate Hazardous Materials	as defined in the U.S. Department of	The format and content of hezar pany interpretation of requirement	rdous item list is the ents as described in 4	responsibility of individ 19 Code of Federal Ber	ual com- Note: Liabili	y limitation for
iode of Federal Begulation	portiging the action of the second se	le the chippen's postification statement	172, Subpart C-Shipping Papers tions 172.201 (Hazardous Mat	Such description co cerial Table) and Sec	insists of the following	per Sec- nav be ar	in this shipr plicable. See
nless a specific exception	from the requirement is provided in the F	negulation for a particular material.	Proper shipping name, hazardo and subsidiary class(es).	us class, UN identifi	cation number, packing	g group, United Stat 14706(c (1	es Code, Sec (A) and (B)
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1110 15 00 0	l labeled, and are in proper condition	s are properly classified, packaged,	Carrier acknowledges receipt	t of packages and a	ny required placards	. Carrier certifies emerge Transportation emergen	nev reconce inf

the "	** L	& B *	TRA	NSPO	RT. L.L	C.	NIGHT	S AWAY:	di sul i
ORDER NO. 372000	4 4 5	702 Hwy	190 V	Vest, Port Al	len, LA 707, -800-545-94	67			
CUSTOMER P.O.	et di	ORDERE	D D	DUGT		RELEAS	E		
LOAD 04/22/21 DATE	TIME 06:00	LOAD		HARRID		TRUCK753:	-	RAILE R975	
DELIVERY 04/22/21 DATE	TIME 11:00	DELIV			r M	NO. 76	33 N	RAILER 0. 8975	
BILL TEGACY INDUSTRIE 308 St George Ave Jefferson, LA 70121	S, LLC		1825	River road Ick, LA 70342		-			
SHIPPER VILLION DOCK Inside GIS yard 554 Dudiey Bernard I Golden Meadow, LA 7 TRAILER APPROVED & AUCHOR Shipper Signature	/0357								
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DRIVER REMARKS									-
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IN CASE OF LEAK	, SPILL, FIRE	EORO	THER	EMERGE	NCY CAL	LCHEN	ITREC 1	800-424-9	300.

CONSIGNEE

	hippers o	ILL OF LADING - S f hazardous materials must	enter 24-hour emergency	Date 4-22	er furer	Bill of La	0	
		number under "Emergency	Hesponse Phone Number.			Shipper	No	
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			Zip Code 708-17	Origin P	12	Zip C	nde 7035	2
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Route:			150			Phor Weight	ne Number 135	
No. Shipping Units	+HM	Kind of Packaging, Description Special Marks and Exce	stawing must be so mark	special or additional care or attent ed and packaged as to ensura safa 2(e) of National Motor Freight Class	e transportation with	(Subject to Correction)*	Rate or Class	CHARGES
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The agree by the shi	d or declar	ed value of the property is hereby not exceeding	r specifically stated The carrier sh charges.	all not make devery of this	shipment within	payment of treight	and all other] Freight prepaid
\$		per		(Sing	nature of Consignor)] Collect
			lly filed tariffs in effect on the date	of the issue of this Bill of Lad	ding, the property d	escribed above in a		
nd conditio	in of conter	its of packages unknown), marked	Ily filed tariffs in effect on the data d, consigned, and destined as indica contract) agrees to carry to its usue all or any of, said property over all be subject to all the terms and co tor (2) in the applicable motor carr forth in the classification or tariff wi	ted to a which said carrier al place of delivery at said de:	(the word carrier t stination, if on its r	oute, otherwise to	roughout this contrac deliver to another ca	t as meaning any pers rrier on the route to s
r corporati	It is mutu very service	ally agreed as to each carrier of to be performed hereunder shall	all or any of, said property over all be subject to all the terms and co	or any portion of said route and itions of the Uniform Dome	to destination and a stic Straight Bill of	Lading set forth (1)	any time interested i in Uniform Freight (In all or any of said pro Classifications in effect
r corporati lestination. rty, that e	ereof, if this	is a rail or a rail-water shipment os of the said bill of lading, set f	t or (2) in the applicable motor carr forth in the classification or tariff w	hich governs the transportation	on of this shipment.	, and the said term	s and conditions are	hereby agreed to by t
r corporati lestination. rty, that ev he date he he terms a	and conditio	the of one of an in the second		and the second se				bility limitation for lo
imppor and	accoptor is	a future and the second of		of The format and content of ha		49 Code of Federal Re	egulations or dama	age in this shipme
Aark with "F	RG" if approp	riste to designate Hazardous Materia s overping the transportation of baza	als as defined in the U.S. Department of rdous materials. The use of this column i	is pany interpretation of require	ements as described in	consists of the following	a per Sec-	Construction One of
Aark with "F ransportatio in optional m Code of Fede	RG" if approp n Regulation nethod for ide ral Regulation	riste to designate Hazardous Materia s governing the trensportation of hazar entifying hazardous materials on Bills o ns. Also when shipping hazardous matt 20/(a) of the Faderal Benulations as	als as defined in the U.S. Department of rdous materials. The use of this column i if Lading per 172.201(a)(1) (iii) of Title 4: arials, the shipper's certification statemer indicated no the Bill of Lading daes appl	9 172, Subpart C-Shipping Pap t tions 172.201 (Hazardous f	ements as described in pers. Such description Material Table) and Se	consists of the following ctions 172.202 and	172.203: may be no group. United S	applicable. See 4
Aark with "F ransportatio in optional m Code of Fede	RG" if approp n Regulation nethod for ide ral Regulation	riate to designate Hazardous Materia s governing the trensportation of haza entifying hazardous materials on Bills o ns. Also when shipping hazardous mate	als as defined in the U.S. Department of rdous materials. The use of this column i if Lading per 172.201(a)(1) (iii) of Title 4: arials, the shipper's certification statemer indicated no the Bill of Lading daes appl	9 172, Subpart C-Shipping Pap t tions 172.201 (Hazardous 1 y, Proper shipping name, hazar	ements as described in pers. Such description Material Table) and Se irdous class, UN ident	consists of the following ctions 172.202 and	172.203: may be no group. United S	applicable. See 4 States Code, Section
Aark with "F ransportatio in optional m Code of Fede inescribed in inless a spec	RG" if approp n Regulation nethod for ide ral Regulation	riste to designate Hazardous Materia s governing the trensportation of hazar entifying hazardous materials on Bills o ns. Also when shipping hazardous matt 20/(a) of the Faderal Benulations as	als as defined in the U.S. Department of rdous materials. The use of this column i if Lading per 172.201(a)(1) (iii) of Title 4: arials, the shipper's certification statemer indicated no the Bill of Lading daes appl	 pany interpretation of require 172, Subpart C-Shipping Pap tions 172.201 (Hazardous i Proper shipping neme, hazar and subsidiary class(es). 	ements as described in pers. Such description Material Table) and Se Indous class, UN ident	consists of the following citions 172.202 and i ification number, packi	ng group, United S 14706(c	applicable. See 4 States Code, Section (1)(A) and (B).

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DRDER NO.			TRAN	st, Port Alle			DISPATC		
372027	5	Phone (2	225) 387-	-0894 1-8	00-545-940	1	DOU	GI	
USTOMER 0. Tit # 2	1	ORDER	ED DOU	JGT		RELEASE NO.			
OAD 04/22/21	TIME 07:00	LOA		OLKJ	TR	UCK7569	. TR/ NO	AILE8980	
DATE	TIME 12:00		IVERY			RUCK D.	TR/ NO	AILER	
BILL TO GACY INDUSTRIES 308 St George Ave Jefferson, LA 70121 SHIPPERVILLION DOCK Inside GIS yard 554 Dudley Bernard R Golden Meadow, LA 70 RAILER APPROVED & AUTHOR hipper ignature	d 0357 HZEO TO LOAD:	т. Т 5 В,		River road k, LA 70342					QUAN
.s.				-	1		1,	÷ '	
NSTRUCTIONS				<u></u>			DQualq S		
IME DEPARTED FROM TERMIN	JAL:		BLOWER	1	TIME RETURN		5 MINAL:		
IME DEPARTED FROM TERMIN	JAL:	PUMP	BLOWER	EXTRA HOSE (FT)		ED TO TERI	5 MINAL:		
IME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY		PUMP	BLOWER	1		ED TO TERI	5 MINAL:	T SCALES/TO	LLS LA
IME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY	LOADING DELIVERY DELIVERY DATE: PICK UP	PUMP		EXTRA HOSE (FT)		ED TO TER	MINAL:	T SCALES/TO	
IME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY	LOADING DELIVERY DELIVERY DATE:	PUMP		EXTRA HOSE (FT)	TIME RETURN	ED TO TER	MINAL:	T SCALES/TO	
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IME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY RAILER RENTAL RAILER NO OADING DATA ARRIVE	LOADING DELIVERY DATE: PICK UP DATE:	PUMP		EXTRA HOSE (FT)	GROSS	ED TO TERI WASH OUT	MINAL:	T SCALES/TO	
IME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY TRAILER RENTAL RAILER NO	LOADING DELIVERY DATE: PICK UP DATE: S OAD This is to ce	PUMP	TIME:	FINISH:	CEIVER'S	ED TO TERI	MINAL:	T SCALES/TO	
NSTRUCTIONS IME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY TRAILER RENTAL TRAILER NO. IDADING DATA REASON DELAYED: AUTHORIZATION TO UNL pertaining to this shipment, verified the I are correct and the receiving tank will ho DELIVERY DATA ARRIVE	LOADING DELIVERY DATE: PICK UP DATE: S OAD This is to ce	PUMP	TIME:	EXTRA HOSE (FT) FINISH: documents Connections FIG	CEIVER'S	ED TO TERI	MINAL:	T SCALES/TO	
CHECK ALL THAT APPLY TRAILER RENTAL TRAILER NO LOADING DATA REASON DELAYED: AUTHORIZATION TO UNL pertaining to this shipment, verified the p are correct and the receiving tank will ho DELIVERY DATA REASON DELAYED: REASON DELAYED:	LOADING DELIVERY DATE: PICK UP DATE: S OAD This is to ce product and the quantities old the product. The drives	PUMP	TIME:	EXTRA HOSE (FT) FINISH: documents Connections FIG	CEIVER'S	ED TO TERI	MINAL:	T SCALES/TO	
INSTRUCTIONS TIME DEPARTED FROM TERMIN ACCESSORIAL CHARGES CHECK ALL THAT APPLY TRAILER RENTAL TRAILER NO. IDADING DATA REASON DELAYED: AUTHORIZATION TO UNL pertaining to this shipment, verified the I are correct and the receiving tank will ho DELIVERY DATA ARRIVE	LOADING DELIVERY DATE: PICK UP DATE: S OAD This is to ce product and the quantities old the product. The drives	PUMP	TIME:	EXTRA HOSE (FT) FINISH: documents Connections FIG	CEIVER'S	ED TO TERI	MINAL:	T SCALES/TO	

1206	CORPORA Lemaire St. • New 337-560-	Iberia,	LA 70560			e Run Tick 317	
EMERGEN	CY RESPONSE	CONTA	ACT:		2		
ES&H 985-851-50	- ? Trik * 1) D	ate Apri	12	1-	20	21
							T
Operator C	I. una	ion	Lease No.	C G			
Lease Name	Faurch	101	aba	,			
Field				,			
G	OIL LEVEL		· - [BS&W	LEVEL		
GAUGE FEE	11	S	_	FT.	INCHE	I I AN	
1st		-					
2nd					-		-
T,	ANK NO.		ZE EST.				
Ta	nk3	20,0	GROS GALLO			@	٩F
OLD	SERIAL NUMBERS		OBSERVI	ED	20	@61	٩F
NEW		-	_		TE	MPERATURE	-
¥		1	BS & W	1	% IN '	OIL TANK	۴
log Number		1-	Eket		ITY COR	USE ONLY R.	1
TIME	AM	#2		1st	-	1	-
ARRIVED	PM	40	~	-		-	-
TIME DEPARTED	AM PM			2nd			-
DELIVERY P		- 1		GROS		136.	2
TEMP. FACTOR	BS&	N U		FACTO	DR	.989.	6
99996	× WFACTOR	0	X FACTOR	NET B	BLS. UN TIC.	124-	10
		RIVER	1010	-	_	10 10	0
	P E (-			
	C I						-
		PERATOR	S W WESS	-			
I.D.	E		114-11-11-1				-
NUMBER	PROPER SHIPPING N		HAZARD	PG		DTAL BLS	
UN 1267	PETROLEU CRUDE OI		3	111	13	4.78	
			01	-			
			BS		1.	37	

"THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION".

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	CORPORA emaire St. • New 337-560-) Iberia, L 5573				tun Ticket
E S & H 985-851-50	CY RESPONSE 55 (Trk#3 Ouvillin Fourch) De	Lease No.	c G		20 2
Field				,		
GAU GE FEET 1st	OIL LEVEL	S		BS&W	LEVEL INCHES	TANK TEMP
2nd		-				
Tan	K 0 3 SERIAL NUMBERS	512 20,0				@ °F
OLD			OBSERV GRAVITY		29	@61 °F
NEW			PERCEN BS & W		6 IN TAI	
LOG NUMBER		Tis	ket	-	DFFICE US TY CORR. F	SE ONLY
TIME ARRIVED	AM PM	#1		1st		
TIME DEPARTED	AM PM			2nd		
	serwick	1		GROS	ELS	138.6
TEMP. FACTOR	X BS &		X FACTOR	FACTO	R	-9896
99996	0099-	1	1896	PER R	BLS. UN TIC.	137.14
	GROSS O P E N TARE	1.000		1		
	L	DRIVER	SWITNESS	0		-
I.D. NUMBER	PROPE SHIPPING I		HAZARD	PG		TAL
UN 1267	PETROLE CRUDE C		3	111	137	.16
			BS Temp		13	4

"THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION".

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Date: 🕓

69 of 74

1206	CORPOR Lemaire St. • No 337-560	w Iberia, I	LA 70560			e Run Ticket 3181
	NCY RESPONS					
	Tik#1	D	ate April	12	2	20 <u>2</u>
985-851-5	055					
Operator /	Couville	00	Lease No.	CG		
Lease Nam	5	hand	14		_	
Field	- VUIL	101), 5	-73			
G AU G		-	•	BS&W		-
		ES		FT.	INCHE	IANK
1st		1				
0	505	, 2	-	_		
2nd	E S					
0	502	_			_	
	TANK NO.	SI				
To	nK3	Ro,	COC GROS			@ %
	SERIAL NUMBERS					
OLD			OBSERV		2	°58 °
NEW			PERCEN			OIL
z			BS & W	1.49	6 IN 1	rank °F
LOG NUMBER		-	4 t	GRAVI	TY CORF	USE ONLY
		11/1/	set 2	TO 60 °	۴	1
ARRIVED 9.	28 4	4	2	1st		
TIME	AM			2nd		
DEPARTED	PM			GROSS	3	10-
DELIVERY	2	. ,		BARRE	LS	1,29.71
	Berwick	1La		X FACTO	R	921-1
TEMP. FACTOR	X W FACTOR		X FACTOR	NET BE	BLS.	1281
1,000	9 .7860	.9	867	PER RL		124
	GROSS O	DRIVER				
	E		/			
	C					
-	NFT O					
	S E	0. 2	1			
I.D. NUMBER	PROPI SHIPPING		HAZARD CLASS	PG		DTAL BLS
UN 1267	PETROLE		3	111	las	3.00 B
		~ .				-1.0
	Temp. L	Reduct Icolud	4		_	100
	000.	11				.82
	1331.1	A set and				

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: 70 of 74

Date:

1206	CORPORA Lemaire St. • Nev 337-560-	v Iberia,	LA 70560	-	TRANSPORT MANIFE
EMERCEN	ICY BESPONSE		ACT.		23182
ES&H	Trk #			. 1	22 202
985-851-5	055		Date Ap	11	20 2
Operator (ouvillio		Lease No.	CG	
-	~	n	Lease NO.		
Lease Name	TGulch	on	La		
Field				,	
			. [BS&V	LEVEL TANK
E FEE	T INCHE	S	-	FT.	INCHES TEMP
1st	508	2			
2nd		0	-		
00	500	0			
T/	ANK NO.		ZE EST.		
Ta	n K 3	ou	COCO EST. GROS GALL		@ °F
OLD	SERIAL NUMBERS	1	OBSERV		
		-	GRAVITY	d	S @SS %
NEW			PERCEN BS & W	1	% IN TANK °F
og Iumber				GRAN	OFFICE USE ONLY
IME		lic	ket	TO 60	
RRIVED	AM PM	T	7	1st	
IME EPARTED	AM	-		2nd	
/	2			GROS	
	erwick.			X	
EMP. FACTOR	X BS & W FACTOR	-	X FACTOR	FACTO	.1778
1008	. 1990	.9	998_	NET B	IUN TIC. 146.64
	GROSS O	RIVER			
	TARE E				
	CL				
	NET O	ERATOR	S WITNESS		
I.D.	PROPER		HAZARD	PC	TOTAL
	SHIPPING N/		CLASS	PG	TOTAL BBLS
UMBER	PETROLEUN		3	111	
UN					146.64 BB
UMBER UN 1267	CRUDE OIL				1 10.01 11

"THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION".

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j]	26	2	_ 20 *	21
c	G			
		 	Lease Ru 23 ⁻ <i>il 2</i> 8	mmi

Field

G G E FEET	OIL LEVEL			BS&W	LEVEL	TANK
	11	3	_	FT.	INCHES	
1st		0				
0 0	200	0	-	_	-	
2nd O E	04	1 8				
1-1-		SIZ				
		0	EST.			
Ta	nK3	20,1	GROSS GALLO			@ °
OLD	SERIAL NUMBERS		OBSERVE	D 1	9	@10°
				æ		MPERATURE
NEM			PERCENT BS & W	1.4	LOF.	OIL FANK 9
.06				_		USE ONLY
NUMBER		Tie	set	GRAV TO 60	°F	1.
TIME	AM PM	#	5	1st		
	FW			1		
TIME DEPARTED	AM PM			2nd	_	
				GROS BARR		141.9
	Berwick			X	DR	gno
TEMP. FACTOR	X W FACTOR	=	X FACTOR	NET B	BLS.	1824
,999 <u>R</u>	.9460	.9	852	PER P	IUN TIC.	139.9
	GROSS O					
_	P E N					
	TARE	VER				
-	L					
	NET S C	PERATOR	SWITNESS			
I.D.	PROPE	R	HAZARD	PG	т	DTAL
NUMBER	SHIPPING N	IAME	CLASS		B	BLS
UN 1267	PETROLEU CRUDE O		3	111	17	0 91
	- 1	,			12	9.86
	Temp. de BS&W	Inct			0	11.
	RSR(1)				1.	99
	Daw		-			//

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Date:__

1206	Lemaire St	RPORATI(. • New Ibe 7-560-557	eria, LA 70	560	-		e Run Ticket 2886
EMERGEN	VCY RESP	'ONSE CO	NTACT:			2	2000
E S & H 985-851-5	055		Date _	4.3	23		202
		11	•		П	T	
Operator (OUV	c } ! (e			CG		
Lease Name		IS		906			
Field	Fou	rch	on	ho		_	
	OIL LEV	EL		E		LEVEL	- TANK
	Т	INCHES			FT.	INCHE	S TEMP
1st							
2nd							
T	ANK NO.		SIZE	L			
T	La	3	20,000	EST.	s		
lar	SERIAL NUN			GALL			@ •
OID				OBSERV GRAVITY		28	e75°
NEW				PERCEN BS & W		OF	
LOG				BS & W	-	10 111	USE ONLY
NUMBER	his		Ticke	f	GRAV TO 60	ITY CORP	3.
TIME ARRIV®D	Tek Tie	AM +	+7		1st		
IME		AM			2nd		1.4
Q C.Q	laña	PM	d En	5	GROS		100 1
FINERY	-	siete,			x		197.1
EMP. FACTOR		S&	X FACT	OR	FACTO		4139
	.9	800 -	9730		NET B PER R	BLS. UN TIC.	106-26
.9938	GROSS	O P					
9938		E					
.9938	TARE	Ň					
.9938		N C DRIVER	3			*	
.4438	TARE	N C DRIVER	TOR'S WITNE	SS	_	•	
I.D. JUMBER	NET	N C DRIVER L O S OPERA	TOR'S WITNE	ss ZARD ASS	PG		DTAL BLS
	NET PR SHIPPI PET	N C L O S OPERA E	TOR'S WITNE	ZARD	PG 111	Bi	BLS
UMBER	NET PR SHIPPI PET		TOR'S WITNE	ZARD ASS		ві 106	BLS 5.26 -18

CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION"

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ACADI	ANA OIL & EN CORPORA	TRANSPORT MANIFEST				
1206 Le	emaire St. • Nev 337-560-		A 70560			Run Ticket
	CY RESPONSE					
ES&H		Da	te April	2	3-	2021
985-851-505	00		Г	11		111
Operator C	Nivero	on	Lease No.	G		
Lease Name	Four	chor	La.			
Field		_	,	,		
GAUGE FEET	OIL LEVEL			3S&WI		TANK
	INCHE	ES		FT.	INCHES	TEMP
1st			_		_	
2nd		-				
TA	NK NO.	SIZ	E			
Tan	KOB	206	GROSS GALLO			@ °F
OLD	SERIAL NUMBERS		OBSERVE	D	27	@17 °F
			_	2.2	TEM	PERATURE
NEW			PERCENT BS & W		6 IN T	
LOG					TY CORR.	JSE ONLY
NUMBER		Tic	ket	TO 60		
TIME	AM PM	#6	ket s	1st		
TIME	AM			2nd		
				GROS		130.96
STATION J	Serwic	KL	a.	X FACTO	R	-9752
TEMP. FACTOR	X W FACTOR	1 0	2 FACTOR	NET BI	BLS. UN TIC.	127.1
- 111	-9280		131	Can	1	101.
	GROSS O P E					
	TARE					
	C L	DRIVER	1	0		
	NET O S E	OPERATOR	S WITNESS			
I.D. NUMBER	PROPI SHIPPING		HAZARD	PG)TAL BLS
UN 1267	PETROLI CRUDE		3	111	12:	2.71
			BS			
			BS Temp			88 3.1
	_		remp	_		2:1

"THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION".

Shipper:

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Date:__