

TECHNICAL MEMORANDUM

To:	Nevada Environmental Response Trust
Cc:	Nevada Division of Environmental Protection
From:	David Bohmann and Bounkheana Chhun
Date:	November 15, 2018
Subject:	AP-5 Operation and Maintenance Summary – August and September 2018 Nevada Environmental Response Trust Site; Henderson, Nevada

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary of the operation and maintenance (O&M) activities performed during August and September 2018 for the AP-5 Pond Phase III sediment mixing, Phase IVa solids washing, and decant water transfer. The system was operated and maintained in accordance with the AP-5 Pond Sediment Washing Treatment Process Operations & Maintenance Manual.

SUMMARY OF O&M ACTIVITIES

Tetra Tech continued operation and maintenance activities associated with the AP-5 sediment mixing and washing system in August and September 2018 to provide mixing of the AP-5 slurry to keep the sediment in suspension and facilitate extraction of ammonium perchlorate. Operation and maintenance activities associated with solids washing and decant transfer operations were also ongoing during August and September 2018.

SOLIDS WASHING AND DECANT WATER TRANSFER

Throughout August and September 2018, routine procedures for washing the solids and transferring decant water were followed. Mixers were intermittently used to reduce wear. A total of approximately 49,377 gallons of AP-5 wash water was decanted from the Process Tanks and transferred to the Day Tank in August 2018; a total of approximately 23,094 gallons of AP-5 wash water was decanted from the Process Tanks and transferred to the Day Tank in September 2018. A summary of daily AP-5 wash water volumes that were decanted from the Process Tanks and transferred to the Day Tank in August and September 2018 are provided in the attached Tables 1a and 1b. The cumulative total of AP-5 wash water volumes that were decanted from the Process Tanks and transferred to the Day Tank is presented in Table 2a. The cumulative total of Stabilized Lake Mead Water (SLMW) added to the Process Tanks for sediment washing is presented in Table 2b. Note that the SLMW flowmeter readings presented in the routine inspection forms (Attachment A) include both the volume of SLMW added to the Process Tanks for sediment washing and for dilution of AP-5 wash water during transfer (discussed below) and flushing of the lines following each batch transfer.

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Once the AP-5 wash water has been decanted from the Process Tanks and transferred to the Day Tank, Envirogen Technologies, Inc. (ETI) transfers the water to the Receiving Tank and subsequently blends the AP-5 water with extracted groundwater for treatment by the Fluidized Bed Reactors. ETI controls and operates the transfer of the AP-5 wash water from the Day Tank to the Receiving Tank, which includes an option to dilute the AP-5 wash water with SLMW to achieve a consistent concentration at the Receiving Tank. The dilution setting is adjustable and has a default setting of 3% perchlorate. During the months of August and September 2018, ETI adjusted the dilution parameters to achieve a lower concentration in the Receiving Tank as a conservative measure to control influent concentrations to the fluidized bed reactors (FBRs) following residual solids removal from the AP-5 Pond and transfer to the Process Tanks. The AP-5 wash water was diluted to an average batch concentration of 1.6% in August and September 2018.

Perchlorate Mass Removal Estimates

Prior to the start of solids washing, the Process Tanks were sampled to provide an estimate of the starting mass of perchlorate in the Process Tanks. The average starting perchlorate mass estimate is provided on Tables 3 and 4. Final AP-5 Pond closure activities began at the end of April 2018 and the residual pond solids transfer was completed on July 19, 2018. Following residual solids transfer, the Process Tanks were resampled on July 26 and July 27, 2018 to determine the mass transferred during pond solids removal and the resulting mass in the Process Tanks. The updated perchlorate mass estimate is also provided on Tables 3 and 4.

Two methods are used to estimate subsequent perchlorate mass removal resulting from the solids washing process. Due to differing constraints associated with each method, the two methods are intended to provide a range of reasonable estimates for perchlorate mass removal. These methods are summarized below.

Prior to May 2018, single-point monthly Process Tank samples were used to estimate the mass of perchlorate removed from each Process Tank and the remaining perchlorate mass in each tank (Table 3 and Figure 1). During residual solids removal from AP-5 Pond, mass calculations for individual Process Tanks were suspended and the single-point monthly tank samples were used to provide estimates of the monthly perchlorate mass removed through O&M activities and mass added as part of final closure activities (Table 4). Single-point monthly tank samples resumed in August 2018 for estimating the mass of perchlorate removed from each Process Tank and the remaining perchlorate mass in each tank. AP-5 wash water was sampled from each Process Tank on August 21, 2018 and September 18, 2018 and submitted for perchlorate analysis (Method 314.0). An estimate of the mass of perchlorate removed from each Process Tank based on the monthly sample results and the estimated remaining perchlorate mass is presented in Table 3 and shown on Figure 1.

Due to the limitations of conducting the mass estimates using a single point sample from each individual Process Tank, the total mass removed from the Process Tanks is also estimated using the average concentration of each batch of decant water transferred by ETI from the Day Tank to the Receiving Tank. The average batch concentration is estimated by an in-line mass flow meter that continuously measures fluid density and flow rate. The density is converted to perchlorate concentration based on a density-to-perchlorate concentration curve developed from laboratory analysis. This method for estimating mass removal relies on continuous readings as opposed to a single point sample but is based on meter readings as opposed to laboratory data. An estimate of the total mass of perchlorate removed from the Process Tanks based on the mass flow meter readings is presented in Table 4. As noted above, Table 4 also includes an estimate of the perchlorate mass added to the Process Tanks as part of closure activities.

The total perchlorate mass remaining using both methods described above is presented on Figure 2. The deviations in the total mass removal using the two methods is believed to be primarily the result of the use of single monthly samples from each Process Tank. The initial and subsequent comprehensive perchlorate mass estimates developed for the Process Tanks revealed significant variability in individual perchlorate sample results within each tank. Therefore, the mass estimates calculated from the single-point monthly samples are subject to this variability. The mass removal approach using the mass flow meter also has limitations that likely contribute in

part to the observed deviation in mass estimates. The mass flow meter approach relies on a density-to-perchlorate concentration curve previously developed from laboratory analysis but does not utilize laboratory data each month. This method also does not include the mass in AP-5 wash water in the Day Tank that has been decanted from the Process Tanks but not yet processed through the mass flow meter. Therefore, the perchlorate mass removal using these two approaches, as summarized in Figure 2, is intended to provide a range of reasonable estimates for perchlorate mass removal.

Ammonia Mass Removal Estimates

The Process Tanks were sampled on November 1, 2017 to provide an estimate of the mass of ammonia in the tanks at that time. Similar to the sampling for the starting perchlorate mass estimate, the starting ammonia mass estimate incorporates data obtained from sampling of the Process Tanks. The average ammonia mass estimate as of November 1, 2017 is provided as the starting mass on Table 5. Estimates of the mass of ammonia removed from each Process Tank were suspended during pond solids removal between the end of April 2018 and July 19, 2018. The tanks were resampled on July 26 and July 27, 2018 to determine the ammonia mass transferred during pond solids removal and the resulting mass in the Process Tanks. The updated ammonia mass estimate for each tank is shown on Table 5 and Figure 3. Single-point monthly tank samples resumed in August and September 2018 for estimating the mass of ammonia removed from each Process Tank and the remaining ammonia mass in each tank.

Treatment Timeline

Prior to starting residual pond solids removal in April 2018, the remaining perchlorate and ammonia mass in the AP-5 Pond was estimated based on available data to estimated mass loading to the Process Tanks from final pond closure activities. The Trust met with NDEP and EPA on November 30, 2017 to discuss the estimated mass loading, subsequent projected treatment timeline for the AP-5 Pond solids, and underlying assumptions for the calculations. Additionally, the Trust met with NDEP and EPA on April 26, 2018, to discuss mass loading and the long-term treatment approach for both perchlorate and ammonia. Based on the information provided by the Trust, it was concluded and agreed that the cost for ammonia pre-treatment outweighed the cost to extend the overall treatment timeline. The estimated feed rate of the AP-5 wash water to the FBRs was based on observed rates up to that point that were achieved using the maximum seasonal treatment approach consistent with NPDES permit limits for ammonia.

Following completion of residual solids removal from the AP-5 Pond and sampling of the Process Tanks in July 2018, the resulting mass estimates were used as the basis to update the treatment timeline projection. Actual treatment from the end of the residual solids transfer through this reporting period have been incorporated. The treatment timeline projections beyond this reporting period were also updated based on adjusted AP-5 wash water feed rates to the FBRs during the summer and winter seasons which are determined based on actual recent treatment rates. The original and updated projected treatment timelines are provided in the attached Figure 4. The updated projection remains consistent with the original projection presented to NDEP on November 30, 2017.

ROUTINE INSPECTIONS

Routine inspections were conducted throughout August and September 2018. Routine inspections are intended to proactively identify potential issues or concerns with key infrastructure, identify and perform routine maintenance tasks, and confirm process equipment is ready for service. During the inspections, Tetra Tech staff visually inspected the Process Tanks, Day Tank, piping, secondary containment, and the liner system for damage and leaks; confirmed mixer operation; and recorded findings on the inspection forms. Inspections, testing, and maintenance of the dilution lines, transfer lines, and Receiving Tank are under the responsibility of ETI as of

July 17, 2017. Copies of routine inspection forms are provided in Attachment A. Summaries of the primary inspection activities are included below.

Process Piping

The piping within the AP-5 Process Area secondary containment area was inspected on a routine basis. AP-5 sediment wash water was decanted from the Process Tanks and transferred to the Day Tank routinely throughout the months of August and September 2018. The findings of the inspections are provided below:

• No visible damage to, or leaks from, the AP-5 process piping were observed.

Secondary Containment

The AP-5 Process Area secondary containment liner was inspected by 360-degree perimeter inspections on a routine basis. The findings of the inspections are provided below:

- No damage to the secondary containment liner was observed.
- Stormwater accumulated on the secondary containment liner and in equipment pad sumps and was pumped to the Process Tanks on August 2, 2018.

Tanks and Equipment

Process Tanks T-201, T-202 and T-203, and Day Tank T-204 were inspected on a routine basis in August and September 2018. The findings of the inspections are provided below:

- No visible damage to, or leaks from, Process Tanks or the Day Tank were observed.
- Precipitate on the interior sides of the Process Tanks and impeller shafts was routinely washed down in all three tanks.
- The permanent air compressor was not functioning due to a faulty temperature sensor cable. A
 temporary air compressor was mobilized and used until a replacement sensor cable was installed on
 August 15, 2018 and the permanent air compressor was returned to service.
- A shade canopy for the compressor was installed on August 20, 2018.
- Previous inspections of T-201 mixer revealed excessive play in the high-speed shaft indicating bearing
 wear. The mixer gear box was removed on August 28, 2018 and was transferred to an off-site
 maintenance facility. The bearings were replaced and the mixer gear was reinstalled and tested on
 September 19, 2018 and September 20, 2018, respectively. The mixer operated properly following the
 repairs.
- A minor oil leak was discovered from a seal on the T-201 gear box on September 27, 2018. The seal is scheduled to be inspected and resealed in October 2018.

MONTHLY INSPECTION

The August and September monthly inspections were conducted on August 30, 2018 and September 30, 2018. Monthly inspections are conducted to provide a more thorough investigation of major equipment and parts and to confirm functionality of key control and interlock components. The monthly inspection form is provided in Attachment B. A summary of the findings is provided below:

- Spare parts for operation of the AP-5 slurry treatment system were present and stored on site.
- The permanent air compressor could not be tested in July 2018 due to a faulty temperature sensor cable and a temporary replacement air compressor was used. A new air compressor temperature sensor cable was installed on August 15, 2018 and the compressor was tested and found to be in good working order after the repair.

- Air operated double diaphragm pumps were tested, and all were found to be in good working order.
- High-high level alarms for the Process Tanks and Day Tank were tested. All of the level sensors were
 observed to be functional at the time of the testing.

NON-ROUTINE TASKS

As part of final AP-5 Pond closure, the transfer of residual solids from the pond to the Process Tanks began in April 2018 and was complete in July 2018. The cutting and removal of the pond liner and drainage layer was completed in August 2018. Upon completion of the liner system removal, the pond berm was excavated, profiled and properly disposed in September 2018. The remaining depression will be backfilled to achieve the final grade established in the closure plan in October 2018.

CERTIFICATION

AP-5 Operation and Maintenance Summary – August and September 2018

Nevada Environmental Response Trust Site (Former Tronox LLC Site) Henderson, Nevada

Nevada Environmental Response Trust (NERT) Representative Certification

I certify that this document and all attachments submitted to the Division were prepared at the request of, or under the direction or supervision of NERT. Based on my own involvement and/or my inquiry of the person or persons who manage the systems(s) or those directly responsible for gathering the information or preparing the document, or the immediate supervisor of such person(s), the information submitted and provided herein is, to the best of my knowledge and belief, true, accurate, and complete in all material respects.

Office of the Nevada Environmental Response Trust

Le Petomane XXVII, not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee
Signature: And Andrew of the Nevada Environmental Response Trust Trustee Name: In A Steinberg net individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee
capacity as President of the Nevada Erwirdnmental Response Trust Trustee
Name: Jay A. Steinberg, not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee
Title: Solely as President and not individually
Company: Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee
Date:

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

November 15, 2018

Date

Description of Services Provided: Prepared AP-5 Operation and Maintenance Summary for August and September 2018.

Kyle Hansen, CEM

Hyled. Hansen

Field Operations Manager/Geologist Tetra Tech, Inc.

Nevada CEM Certificate Number: 2167

Nevada CEM Expiration Date: September 18, 2020

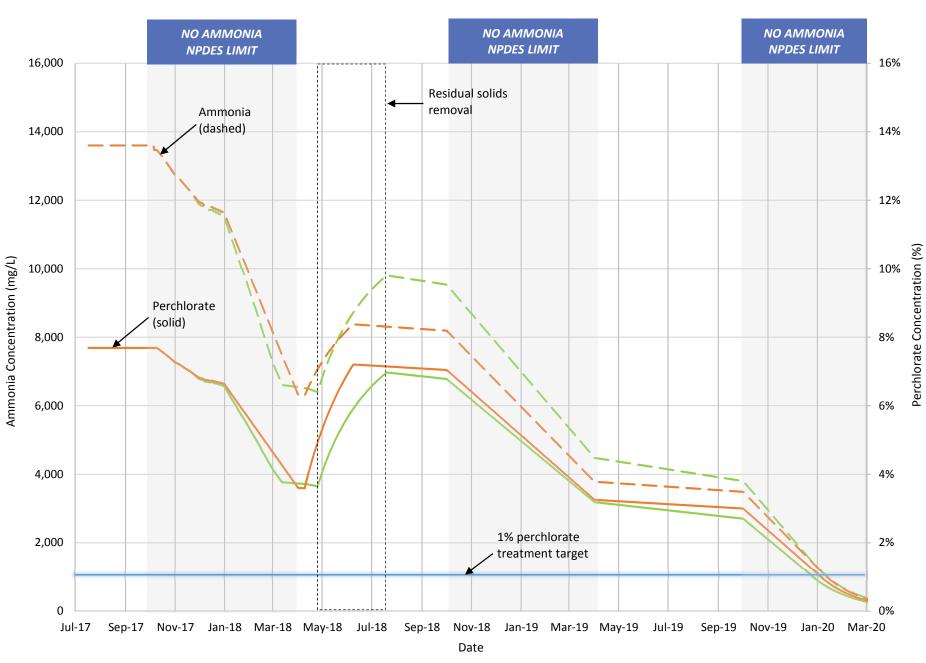
Figures

Figure 1. Estimate of Perchlorate Mass Remaining in Process Tanks 400,000 Transfer of 350,000 residual solids to the Process Tanks completed 300,000 between April 26 and July 19, 2018. Estimated Perchlorate Mass Remaining (lbs) Tracking of mass for individual 250,000 Process Tanks not completed during this time. 200,000 150,000 100,000 50,000 0 Aug-17 Sep-17 Oct-17 Nov-17 Dec-17 Jan-18 Feb-18 Mar-18 Apr-18 May-18 Jun-18 Jul-18 Aug-18 Sep-18 Jul-17 Date **−**T-201 **−−−**T-202 **−−−**T-203

Figure 2. Estimate of Total Perchlorate Mass Remaining in Process Tanks 1,000,000 Transfer of residual solids 900,000 to the Process Tanks completed 800,000 between April 26 and July 19, 700,000 2018. Tracking Estimated Perchlorate Mass Remaining (lbs) of mass for individual 600,000 Process Tanks not completed 500,000 during this time. 400,000 300,000 200,000 100,000 0 Aug-17 Sep-17 Oct-17 Nov-17 Dec-17 Jan-18 Feb-18 Mar-18 Apr-18 May-18 Jul-18 Jul-18 Aug-18 Sep-18 Jul-17 Oct-18 Date Tank Sample Method — Mass Flow Meter Batch Data Method

Figure 3. Estimate of Ammonia Mass Remaining in Process Tanks 60,000 Transfer of residual solids to the Process Tanks completed between 50,000 April 26, 2018 and July 19, 2018. Tracking of mass for individual Process Tanks not completed during this time. Estimated Ammonia Mass Remaining (lbs) 40,000 30,000 20,000 10,000 0 May-18 Aug-18 Nov-17 Apr-18 Jul-18 Oct-18 Dec-17 Jan-18 Feb-18 Mar-18 Jun-18 Sep-18 Date T-201 — T-202 — T-203

Figure 4. Projected AP-5 Solids Treatment Timeframe



Notes: Orange lines depict November 2017 treatment estimates; Green lines depict current treatment estimates.

This model uses simplified assumptions regarding AP-5 decant water treatment feed rate and addition of SLMW for wash water.

Tables

Table 1a. August Monthly AP-5 Wash Water Decant Records

	T-201	T-202	T-203	Daily Total
Date	(Gallons)	(Gallons)	(Gallons)	(Gallons)
1-Aug	-	-	-	-
2-Aug	-	-	-	-
3-Aug	-	-	-	-
4-Aug	-	-	-	-
5-Aug	-	-	-	-
6-Aug	25,071	-	-	25,071
7-Aug	-	-	-	-
8-Aug	-	-	-	-
9-Aug	-	-	-	-
10-Aug	-	-	-	-
11-Aug	-	-	-	-
12-Aug	-	-	-	-
13-Aug	-	-	-	-
14-Aug	-	-	-	-
15-Aug	-	-	-	-
16-Aug	-	-	-	-
17-Aug	-	-	-	-
18-Aug	-	-	-	-
19-Aug	-	-	-	-
20-Aug	-	-	-	-
21-Aug	-	-	-	-
22-Aug	-	-	-	-
23-Aug	-	-	-	-
24-Aug	-	-	-	-
25-Aug	-	-	-	-
26-Aug	-	-	-	-
27-Aug	24,306	-	-	24,306
28-Aug	-	-	-	-
29-Aug	-	-	-	-
30-Aug	-	-	-	-
31-Aug	-	-	-	-
Total	49,377	-	-	49,377

1 - Decant volumes presented are based on the starting and ending volumes in the Day Tank during decant operations, plus the volume that was transferred by ETI to the Receiving Tank during the time decant operations were occurring.

Table 1b. September Monthly AP-5 Wash Water Decant Records

Data	T-201	T-202	T-203	Daily Total
Date	(Gallons)	(Gallons)	(Gallons)	(Gallons)
1-Sep	-	-	-	-
2-Sep	-	-	-	-
3-Sep	-	-	-	-
4-Sep	-	-	-	-
5-Sep	-	-	-	-
6-Sep	-	-	-	-
7-Sep	-	-	-	-
8-Sep	-	-	-	-
9-Sep	-	-	-	-
10-Sep	-	-	-	-
11-Sep	-	-	-	-
12-Sep	-	-	-	-
13-Sep	-	-	-	-
14-Sep	-	-	-	-
15-Sep	-	-	-	-
16-Sep	-	-	-	-
17-Sep	-	-	-	-
18-Sep	23,094	-	-	23,094
19-Sep	-	-	-	-
20-Sep	-	-	-	-
21-Sep	-	-	-	-
22-Sep	-	-	-	-
23-Sep	-	-	-	-
24-Sep	-	-	-	-
25-Sep	-	-	-	-
26-Sep	-	-	-	-
27-Sep	-	-	-	-
28-Sep	-	-	-	-
29-Sep	-	-	-	-
30-Sep	-	-	-	
Total	23,094	-	-	23,094

1 - Decant volumes presented are based on the starting and ending volumes in the Day Tank during decant operations, plus the volume that was transferred by ETI to the Receiving Tank during the time decant operations were occurring.

Table 2a. Cumulative AP-5 Wash Water Decant and Transfer Records

Month	T-201 (Gallons)	T-202 (Gallons)	T-203 (Gallons)	Monthly Total (Gallons)
July 2017	38,377		20,906	59,283
August 2017	8,868		9,454	18,322
September 2017		22,819		22,819
October 2017		117,200		117,200
November 2017	26,567	65,048	98,171	189,786
December 2017	88,449	43,485	71,600	203,534
January 2018	95,673	81,036	59,577	236,286
February 2018	108,564	55,620	122,012	286,196
March 2018	75,262	76,737	-	151,999
April 2018	44,177	-	27,290	71,467
May 2018	71,329	-	22,579	93,908
June 2018	49,982	-	-	49,982
July 2018	50,583	-	-	50,583
August 2018	49,377	-	-	49,377
September 2018	23,094	-	-	23,094
Cumulative Total	730,302	461,945	431,589	1,623,836

Table 2b. Cumulative Stabilized Lake Mead Water Volume Added for Sediment Washing

Month	T-201 (Gallons)	T-202 (Gallons)	T-203 (Gallons)	Monthly Total (Gallons) ¹
July 2017	22,775		6,150	28,925
August 2017	13,970		7,860	21,830
September 2017		20,010		20,010
October 2017		131,247		131,247
November 2017	27,360	65,435	75,440	168,235
December 2017	43,570	39,585	5,485	88,640
January 2018	24,135	30,685	64,205	119,025
February 2018	92,020	22,475	126,845	241,340
March 2018	81,685	79,270	-	160,955
April 2018	465	-	18,805	19,270
May 2018	825	-	390	1,215
June 2018	860	-	-	860
July 2018	480	-	-	480
August 2018	280	-	-	280
September 2018	220	-	-	220
Cumulative Total	308,645	388,707	305,180	1,002,532

- 1 Stabilized Lake Mead Water (SLMW) volume added to tanks does not include the volume used to routinely wash down precipitate on the interior sides and mixer impellar shafts. The volume of wash down water is approximately 2,000 gallons per tank per month.
- 2 The volume of SLMW added to the tanks does not include stormwater that accumulates in the lined secondary containment and equipment pads that is pumped to the Process Tanks.

Table 3a. Estimate of Perchlorate Mass in Process Tanks Based on Tank Samples after Initial Slurry Transfer

		Mass in T-201 (lbs)	Mass in T-202 (lbs)	Mass in T-203 (lbs)	Total Monthly Mass Removed (lbs)	Total Perchlorate Mass In Process Tanks (lbs)
Initial P	erchlorate Mass ¹	168,055	247,579	185,745		601,380
	July 2017 ²	17,828	-	9,189	27,017	574,363
	August 2017	4,120	-	4,155	8,275	566,088
	September 2017	-	12,547	-	12,547	553,540
ved	October 2017	-	59,663	-	59,663	493,878
оша	November 2017	10,605	32,571	40,418	83,594	410,284
ss Re	December 2017	41,090	16,693	28,582	86,365	323,919
Маз	January 2018	36,195	25,360	19,639	81,195	242,724
.ox	February 2018	26,727	13,925	29,020	69,672	173,051
Approx.Mass Removed	March 2018	12,248	12,168	-	24,415	148,636
	April 2018	6,083	-	4,441	10,524	138,112
	May 2018 ³	INDIVIDUAL PI	ROCESS TANK MA	ASS CALCULATIO	NS WERE SUSPEN	DED UNTIL POND
	June 2018		SOLID	S TRANSFER CON	MPLETED.	
Ending	Perchlorate Mass					138,112

Table 3b. Estimate of Perchlorate Mass in Process Tanks Based on Tank Samples after Residual Solids Transfer

		Mass in T-201 (lbs)	Mass in T-202 (lbs)	Mass in T-203 (lbs)	Total Monthly Mass Removed (lbs)	Total Perchlorate Mass In Process Tanks (lbs)
Initial P	erchlorate Mass ⁴	370,459	272,873	296,418		939,750
	July 2018⁵	370,459	272,873	296,418		939,750
	August 2018	23,717	-	-	23,717	916,033
	September 2018	10,889	-	-	10,889	905,144
Ending	Perchlorate Mass	335,853	272,873	296,418		905,144

- 1 The initial perchlorate mass estimate presented is based on an average of laboratory results. The 95% confidence interval for starting perchlorate mass in all three Process Tanks is 422,491 to 776,030 pounds.
- 2 The approximate mass removed for July 2017 is based on the starting concentrations in the Process Tanks. Subsequent mass removal calculations are based on both the starting (prior month) and ending (current month) perchlorate concentrations resulting from single point samples from each tank.
- 3 Individual tank mass calculations were suspended until pond closure activities are completed. Following pond closure, a more comprehensive sampling of the Process Tanks will be completed to establish new mass estimates.
- 4 The perchlorate mass estimate after pond solids transfer is based on an average of laboratory results. The 95% confidence interval for the perchlorate mass in all three Process Tanks is 814,953 to 1,064,163 pounds.
- 5 Mass removal estimates on individual tanks will resume in August 2018.

Table 4. Estimate of Perchlorate Mass in Process Tanks Based on Batch Transfers

		Estimated Monthly Mass Added (lbs) ³	Total Monthly Mass Removed (lbs)	Total Perchlorate Mass In Process Tanks (lbs)
Initial P	erchlorate Mass ¹			601,380
	July 2017 ²		13,520	587,860
	August 2017 ²		6,000	581,860
	September 2017		10,706	571,154
ved	October 2017		49,990	521,163
оша	November 2017		74,231	446,933
s Re	December 2017		73,066	373,867
Mas	January 2018		69,363	304,504
ox.	February 2018		73,247	231,257
Approx.Mass Removed	March 2018		25,321	205,935
	April 2018		7,030	198,905
	May 2018 ^{4 5}	151,078	11,126	338,857
	June 2018⁵	227,250	9,337	556,770
	July 2018⁵	341,180	9,343	888,608
Perchlorate Mass After Por		nd Solids Removal ⁵		939,750
	August 2018		11,710	928,040
	September 2018		9,777	918,264
Ending	Perchlorate Mass			918,264

- 1 The initial perchlorate mass estimate presented is based on an average of laboratory results as summarized in the August 11, 2017 technical memo *AP-5 Tank Sampling Activities and Mass Estimate Summary*. The 95% confidence interval for starting perchlorate mass in all three Process Tanks is 422,491 to 776,030 pounds.
- 2 Individual batch data not available from ETI for July and August 2017. Values presented for these months are based on ETI's estimates. Subsequent monthly estimates are based on ETI records for batch volumes and average batch concentrations transferred from the Day Tank T-204 to the Receiving Tank T-205.
- 3 Beginning in May 2018, estimates of the perchlorate mass added as part of final AP-5 pond closure activities were developed based on single point samples from each Process Tank. Monthly mass added are estimated using a single point sample from each Process Tank and may underestimate the mass contribution from settled residual soli
- 4 The May 2018 estimate of mass added from AP-5 Pond closure activities represents the period from April 26, 2018 through May 31, 2018
- 5 The perchlorate mass estimate after pond solids transfer is based on an average of laboratory results. The 95% confidence interval for the perchlorate mass in all three Process Tanks is 814,953 to 1,064,163 pounds.

Table 5a. Estimate of Ammonia Mass in Process Tanks after Initial Pond Transfer

Initial A	ummonia Mass ¹	Mass in T-201 (lbs) 18,217	Mass in T-202 (lbs) 22,343	Mass in T-203 (lbs) 20,277	•	Total Ammonia Mass In Process Tanks (lbs) 60,837
	November 2017	1,323	3,979	4,490	9,792	51,045
pen	December 2017	3,974	1,778	2,659	8,411	42,634
	January 2018	3,353	3,009	2,163	8,526	34,108
Approx. ss Removed	February 2018	2,945	1,509	3,564	8,017	26,091
φ 8.	March 2018	1,445	1,441	-	2,886	23,206
A¢ Mass	April 2018	682	-	490	1,172	22,034
	May 2018 ²	INDIVIDUAL PR	OCESS TANK MA	SS CALCULATION	S WERE SUSPEND	DED UNTIL POND
	June 2018		SOLIDS	TRANSFER COM	PLETED.	
Ending	Ammonia Mass					22,034

Table 5b. Estimate of Ammonia Mass in Process Tanks after Residual Pond Solids Transfer

		Mass in T-201 (lbs)	Mass in T-202 (lbs)	Mass in T-203 (lbs)	•	Total Ammonia Mass In Process Tanks (Ibs)
Initial A	mmonia Mass ³	56,496	42,023	42,335		140,854
	July 2018 ⁴	56,496	42,023	42,335		140,854
	August 2018	3,294	-	-	3,294	137,560
	September 2018	1,561	-	-	1,561	135,999
Ending Ammonia Mass		51,641	42,023	42,335		135,999

- 1 The initial ammonia mass estimate presented is based on an average of laboratory results for slurry and accumulated solids samples collected on November 1, 2017. Ammonia mass estimates are not available prior to this date.
- 2 Individual tank mass calculations are suspended until pond closure activities are completed. Following pond closure, a more comprehensive sampling of the Process Tanks will be completed to establish new mass estimates.
- 3 The ammonia mass estimate after pond solids transfer is based on an average of laboratory results. The 95% confidence interval for the perchlorate mass in all three Process Tanks is 118,994 to 162,598 pounds.
- 4 Mass removal estimates on individual tanks will resume in August 2018.

Attachment A Phase III O&M Routine Inspection Forms

Date: 8/1/18	Time: <u>0745</u>	Inspector Initials:	K 911
PROCESS PIPING INSPECT	TION :		
1. Observe piping between	een Process Tank secondary contai	nment and FBR secondary	containment.
Any leaks, punctu	res, damage, bulges visible?	Yes*	No
2. Observe piping in Pro	cess Tank secondary containment	area.	
Any leaks, punctu	res, damage, bulges visible?	Yes*	(No)
	abilized Lake Mead Water (SLMW)	flowmeter east of Process	Tanks.
Flowmeter:	, 138, 745 (gallons)		
SECONDARY CONTAINME	ENT INSPECTION		
4. Perform 360 perimete	er walk to observe liner system for	potential wear and tear.	$\hat{\Delta}$
Any leaks, punctu	res, or other damage visible?	Yes	(No)
5. Is there storm water a	accumulation greater than 1 foot?	Yes	(Nd
If Yes, pump storr	n water into one of the Process Ta	nks.	
6. Is there storm water a	accumulation in equipment pad sur	mps?: Yes	(No)
If Yes, pump storn	n water into one of the process tar	nks.	_

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

or visual inspection from top of cault troccos form						
	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	(eg	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Nes	No	ves)	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	(Vo)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 949 Oil temperature		4(°F	7	5 °F	95	°F

Date:	8/1/18	Time:	Inspector Initials:	KGH
NOTES:				
		on Manager immediately if through photographs.	any of these conditions are obs	erved and thoroughly
			down of mixers and opening of c is observed and active washing	
			enerators to power the mixers in olidating in the bottom of the Pr	
COMME	NTS:			
(Describe	e all "yes" answers,	any observed damage, an	y areas that could not be inspe	cted and the reason, etc.)
	3.4			
- Mr	tus off to	reduce wear		
	NI.	HIDA		
ia)				
Operator	r Signature:	Gl. S. Han	Ana	- 11 12

EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: <u>8/2/18</u> Time: <u>0925</u> Inspector Initials: <u>K4H</u>	
PROCESS PIPING INSPECTION	
Observe piping between Process Tank secondary containment and FBR secondary containment Any leaks, punctures, damage, bulges visible? Yes*	nt. No
2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes*	No
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 2,144,140 (gallons) SECONDARY CONTAINMENT INSPECTION	
4. Perform 360 perimeter walk to observe liner system for potential wear and tear.	
Any leaks, punctures, or other damage visible? Yes	N)
5. Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	9
6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. PROCESS TANKS AND DAY TANK INSPECTION	No
PROCESS TANKS AND DAY TANK INSPECTION	

PROCESS TANKS AND DATE TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	N.
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	(es)	No*	(es)	No*	NA	NA

	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No No	(Yes)	No	(es)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	ves	No (es	No
Mixer running and turbulence/vortex observed?**		(40 t)	Yes	No*	Yes	(No ³)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste /// Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature9 Oil temperature	9	4 °F	9	3°F	93	°F

RUS PHASE III OQIVI ROOTINE INSPECTION FORIVI
Date: 8/z /18 Time: 0925 Inspector Initials: K91/
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixers off to reduce bearing wear
Operator Signature: Kyld. Hausen EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: <u>8/3/18</u> Time: <u>905</u> Inspector Initia	als: KGH	
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBR secondary	ondary containme	ent,
Any leaks, punctures, damage, bulges visible?	Yes* (No
2. Observe piping in Process Tank secondary containment area.	mb:LIII	N
Any leaks, punctures, damage, bulges visible?	Yes*	No
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Power of Power (SLMW) flowmeter east of Power (SLMW) flowmeter (SLMW) flowfilm flowfil	Process Tanks.	ノ -
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear and	tear.	~
Any leaks, punctures, or other damage visible?	Yes	N ₉
 Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. 	Yes	N ₀
6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	No)

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Nes	No*	NA	NA
Are transfer pumps ready for service?	Ves	No*	Ves	No*	(Yes)	No*	NA	NA

or read inspection from top or easily read a factor						
	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	ves	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No C	yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	91	°F	9	S °F	90	°F

Date: _	8/3/18	Time:	Inspector Initials:	KSA
NOTES:				
		on Manager immediately through photographs.	if any of these conditions are ob	served and thoroughly
			tdown of mixers and opening of on is observed and active washing	
			generators to power the mixers solidating in the bottom of the P	
COMME (Describ		any observed damage, a	nny areas that could not be insp	ected and the reason, etc.)
- Mi	Levs off	to reduce we	201	
Ø),				
Operato	r Signature:	yl & Han	en	

EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	== 11 %
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 8/4/18 Time: 645 Inspector I	nitials:	K411						
PROCESS PIPING INSPECTION								
Observe piping between Process Tank secondary containment and FBR Any leaks, punctures, damage, bulges visible?								
Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?	Yes*	No						
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east Flowmeter: 2, 144, 580 (gallons)	of Process	Tanks.						
SECONDARY CONTAINMENT INSPECTION								
4. Perform 360 perimeter walk to observe liner system for potential wear	and tear.	α						
Any leaks, punctures, or other damage visible?	Yes	(No)						
5. Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	Yes	(No)						
6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	Na						

PROCESS TANKS AND DAY-TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	N	Yes*	M3	Yes*	N	Yes*	63
All decant valves and transfer valves locked out?**	Yes	No*	Ves	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	.03
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	(es)	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No (Yes	No	(es	No
Mixer running and turbulence/vortex observed?**		(No*)	Yes	(No*)	Yes	(LOY)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature <u>93</u> Oil temperature	94	°F	93	3°F	95	°F

Date: 8/4/	/K Time:	Inspecto	or Initials:	K511	_ '
NOTES:					
	nentation Manager immedia m and through photograph		litions are obse	erved and thor	oughly
	washing requires occasiona ager immediately if this cor				
•	o mobilize and connect port nours to prevent solids from	_ ,			power
COMMENTS: (Describe all "yes" an	nswers, any observed dama	ge, any areas that could	d not be inspec	cted and the re	eason, etc.)
-Mixery	off to reclove	wear.		E;	
ž .					
Operator Signature: _	Kyl J. Han	du_			17
EMERGENCY CONTAC	TS:				
T:AL-	Name	Dhana #	C		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	11 11 11 11
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: $\frac{8/5/18}{1000}$ Time: $\frac{0630}{1000}$ Inspector	Initials:	KAH
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBF	R secondary c	ontainment.
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2. Observe piping in Process Tank secondary containment area.		
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas	t of Process T	anks.
Flowmeter: Z, 144, 580 (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear	and tear.	
Any leaks, punctures, or other damage visible?	Yes	(No)
5. Is there storm water accumulation greater than 1 foot?	Yes	(No)
If Yes, pump storm water into one of the Process Tanks.		
6. Is there storm water accumulation in equipment pad sumps?:	Yes	(NO
If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	= T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	N
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	(Yes)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

•						
4 4 5	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	(Yes)	No	(Yes)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No	Yes	(No)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>90</u> Oil temperature		۶ °F	93	°F	95	°F

Date: 8/5/16 Time: Inspector Initials: K9//
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixers off to reduce wear.
Operator Signature: Hyb & Hausu
EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 8/6/18	Time:	Inspector Initials:	KSH
PROCESS PIPING INSPECTION	N		
1. Observe piping between	Process Tank secondary contain	nment and FBR secondary	containment.
Any leaks, punctures	s, damage, bulges visible?	Yes*	(No)
2. Observe piping in Proces	s Tank secondary containment	area.	
Any leaks, punctures	, damage, bulges visible?	Yes*	No
3. Record reading on Stabili	ized Lake Mead Water (SLMW)	flowmeter east of Process	Tanks.
Flowmeter: 2,15	50, 105 (gallons)		
SECONDARY CONTAINMENT	INSPECTION		
4. Perform 360 perimeter w	valk to observe liner system for	potential wear and tear.	
Any leaks, punctures	, or other damage visible?	Yes	(No)
5. Is there storm water accu	umulation greater than 1 foot?	Yes	(Ng
If Yes, pump storm w	ater into one of the Process Ta	nks.	
6. Is there storm water accu	umulation in equipment pad su	mps?: Yes	(No
If Yes, pump storm w	ater into one of the process ta	nks.	

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(e)	Yes*	(No.)	Yes*	(No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	es	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	(Yes	No*	NA	NA

	T-2	201	T-202		T-2	203	
Visible oil leaks from gear box?	Yes*	No	Yes*	(No	Yes*	(No.	
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	es	No	(Ye)	No	
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No	
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	No*	Yes	Nox	
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*	
Ambient air temperature 100 Oil temperature	90	°F	9	∜ °F	10	Ů °F	

Date: 8/6/18 Time: Inspector Initials: K-5/1
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixery off to reduce wear
Operator Signature: Ryls Accuse EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 4/7/18 Time:	130	<u> </u>	-	Inspecto	r Initials	_/	-4H	
PROCESS PIPING INSPECTION								
1. Observe piping between Process Ta	nk secor	ndary co	ntainmer	nt and FE	R secon	dary cont	ainmen	t.
Any leaks, punctures, damage,	bulges vi	sible?			Υ	es*	N	9
2. Observe piping in Process Tank seco	ondary co	ontainm	ent area.					
Any leaks, punctures, damage, bulges visible? Yes*								0)
3. Record reading on Stabilized Lake N				neter ea	st of Pro	cess Tanl	ks.	
Flowmeter: 2, 150, 165 (gallons)								
SECONDARY CONTAINMENT INSPECTIO	ON							
4. Perform 360 perimeter walk to obse	erve line	r system	for pote	ntial wea	ar and te	ar.		
Any leaks, punctures, or other o	lamage v	isible?			Υ	es	No	_o)
5. Is there storm water accumulation (greater ti	han 1 fo	ot?		Υ	es	No	5
If Yes, pump storm water into o	ne of the	Proces	s Tanks.					
6. Is there storm water accumulation i	n equipn	nent pac	sumps?	:	Υ	es	No	9
If Yes, pump storm water into o	ne of the	process	s tanks.				C	
PROCESS TANKS AND DAY TANK INSPE	CTION							
7. Perform 360 degree walk around of		ık to insi	nect for a	łamage r	or leaks a	ind lock (nut of va	lves:
	T-2			202	20	203	P. 180 10	
Visible damage or leaks/stains?	1-2	201	1-4	202	1-4	203	1-2	204
(inspect all welds and nozzles/valves)	Yes*	(No)	Yes*	(No)	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	ves	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	res	No*	NA	NA
Nicual inequation from top of such D	rocess T	nnk.						
8. Visual inspection from top of each P	Tocess 18	alik:	T-:	201 _	T-2	202	Т.:	203
Visible oil leaks from gear box?			Yes*	(No)	Yes*	(No)	Yes*	No)

	T-201 T-202		T-203			
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No S	Yes	No	Nes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature Oil temperature	10	9 °F	10	7 °F	(0	8°F

Date: 4/7/18 Time: Inspector Initials: K9H
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixery off to preduce wear.
Operator Signature: Xyl. J. Hann
EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Dat	e: <u>8/8/18</u> Time: <u>0906</u> Inspecto	or Initials:	K511
PRO	DCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FE	3R secondary con	tainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		_
	Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter earlier Flowmeter: 2, 150, 105 (gallons)	ist of Process Tan	ks.
SEC	ONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential we	ar and tear.	
	Any leaks, punctures, or other damage visible?	Yes	Nd
5.	Is there storm water accumulation greater than 1 foot?	Yes	Ng
	If Yes, pump storm water into one of the Process Tanks.		(1)
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No
	If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

4/01/19

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201 T-202		T-203		T-204			
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(No)	Yes*	66	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	(Ve)S	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	(es)	No*	NA	NA

	T-2	01	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No.
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	(es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes) ov	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>12</u> Oil temperature	9	°F	9	2°F	9	/ °F

Date: 8/8/18 Time: Inspector Initials:
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixery off to reduce wear
Operator Signature: Myl J. Harren

EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	_
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	_ 1
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: 8/9/18 Time: 0935 Inspe	ctor Initials:	KGH
PR			
1.	Observe piping between Process Tank secondary containment and	l FBR secondary c	ontainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter Flowmeter: 2,150,105 (gallons)	east of Process T	anks.
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential v	wear and tear.	
	Any leaks, punctures, or other damage visible?	Yes	(No)
5.	Is there storm water accumulation greater than 1 foot?	Yes	No
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	(No)

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	es	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	ves	No*	Yes	No*	Yes	No*	NA	NA

	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	(No	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	ves	No	es	No 2s
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	9	3 °F	9	4 °F	9	3°F

Date: 4 /9 NOTES:	//R Time	e:	Inspector Initials:	KSH
* - Notify Site Imp	plementation Mana form and through		y of these conditions are obs	erved and thoroughly
			n of mixers and opening of cobserved and active washing	
			rators to power the mixers in ating in the bottom of the Pr	
COMMENTS: (Describe all "yes	" answers, any obs	erved damage, any a	reas that could not be inspe	cted and the reason, etc.)
- Mixery		educe wear.		
Ged:mut	7-201 T-202	5.5, 1.75, (0.5, 2.5)	2.5	
<u> </u>	T. 203	6.0 2.0	1.5	a
Operator Signatu	re: Kyli-	& Hause		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	_ = = = = = = =
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Dat	te: <u>8/10/18</u> Time: <u>0870</u> Inspector Initia	als: K5	<i>H</i>
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR secondary leaks, punctures, damage, bulges visible?	ondary contain Yes*	No
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P Flowmeter: 2/5/50 (gallons)	rocess Tanks.	
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	1
	Any leaks, punctures, or other damage visible?	Yes	(No
5.	Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	Yes	(No)
6.	Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	(No)

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valve	Yes*	No	Yes*	No	Yes*	No	Yes*	
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Ves	No*	NA	NA

or risda, inspection noin top or datin redeed rains							
	T-201		T-202		T-203		
Visible oil leaks from gear box?	Yes*	No	Yes*	No)	Yes*	No	
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?) No	Yes	No	Yes	No	
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	Yes	No	
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	NO	
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*	
Ambient air temperature 92 Oil temperature	9	2 °F	9	3 °F	9	ک °F	

Date:	8	Time:	inspec	tor Initials:	KSH
NOTES:					
* - Notify Site Impl document on this f			ely if any of these co	nditions are obs	erved and thoroughly
			hutdown of mixers a ition is observed and		lecant valves. Notify Site is not occurring.
		•	le generators to povonsolidating in the b		n the event of a power ocess Tanks.
COMMENTS: (Describe all "yes"	answers, any	observed damage	e, any areas that cou	ıld not be inspe	cted and the reason, etc.)
- Mixery	aff.	to reduce	wear/		
Operator Signature	, Le	le J. H	lanen	10 10 13 E	
EMERGENCY CONT	0	70 20, 71			
Title		Name	Phone #	Common	•

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Dat	e: 8/11/18 Time: 1210 Inspector Init	ials:	KSH
PRO	DCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec Any leaks, punctures, damage, bulges visible?	condary co Yes*	ntainment.
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 2, 157, 410 (gallons)	Process Ta	nks.
SEC	ONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	d tear.	6
	Any leaks, punctures, or other damage visible?	Yes	No
5.	Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	Yes	No
6.	Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	(No)

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Ves	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Ves	No*	(es)	No*	NA	NA

	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(Ne)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	(es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	6	No
Mixer running and turbulence/vortex observed?**	Yes	No	Yes	No	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>97</u> Oil temperature	99	7°F	9	8 °F	10	/ °F

Date:	8/11/18	Time:	Inspector Initials: _	REGET
NOTES	870			
		entation Manager immed m and through photograph	iately if any of these conditions are ons.	bserved and thoroughly
			al shutdown of mixers and opening on a shit of the control of the	
			table generators to power the mixers no consolidating in the bottom of the	•
сомм	IENTS:			
(Descri	ibe all "yes" an	swers, any observed dam	age, any areas that could not be ins	pected and the reason, etc.)
- N	lyers of	7 to & veduce	e Wear	
4				
Operat	or Signature: _	Kled Han	u_	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date:	nitials:	51							
PROCESS PIPING INSPECTION									
1. Observe piping between Process Tank secondary containment and FBR	1. Observe piping between Process Tank secondary containment and FBR secondary containment.								
Any leaks, punctures, damage, bulges visible?	Yes*	No							
2. Observe piping in Process Tank secondary containment area.									
Any leaks, punctures, damage, bulges visible?	Yes*	CNO							
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east	of Process Tank	ks.							
Flowmeter: 2,157,410 (gallons)									
SECONDARY CONTAINMENT INSPECTION									
4. Perform 360 perimeter walk to observe liner system for potential wear	and tear.	R							
Any leaks, punctures, or other damage visible?	Yes	No							
5. Is there storm water accumulation greater than 1 foot?	Yes	(Na							
If Yes, pump storm water into one of the Process Tanks.		_							
6. Is there storm water accumulation in equipment pad sumps?:	Yes	AND							
If Yes, pump storm water into one of the process tanks.									

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201 T-20		202 T-2		203 T-		204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	(N)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	(Yes)	No*	NA	NA

	T-2	201	1 T-2		T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	(Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Y _P S	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No	Yes	Hot
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 00 Oil temperature	[0	(°F	(03°F	10) °F

Date: 8/12/18 Time: Inspector Initials: K4A
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS:
(Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
Mixery off to reduce wear.

Operator Signature: Myb S. Hausen

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 8/13/18	Time:	Inspector Initials:	KSH					
PROCESS PIPING INSPECTIO	N							
1. Observe piping between Process Tank secondary containment and FBR secondary containment.								
Any leaks, punctures	s, damage, bulges visible?	Yes*	Nb					
2. Observe piping in Proces	ss Tank secondary containment ar	ea.						
Any leaks, punctures	s, damage, bulges visible?	Yes*	(NO					
3. Record reading on Stabil	ized Lake Mead Water (SLMW) flo	owmeter east of Process	s Tanks.					
Flowmeter:	/57, 4(0 (gallons)							
SECONDARY CONTAINMENT	INSPECTION							
4. Perform 360 perimeter v	valk to observe liner system for p	otential wear and tear.	0					
Any leaks, punctures	, or other damage visible?	Yes	(Ng)					
5. Is there storm water acco	umulation greater than 1 foot?	Yes	No					
If Yes, pump storm w	vater into one of the Process Tank	ζς.						
6. Is there storm water acco	umulation in equipment pad sum	ps?: Yes	(Net					
If Yes, pump storm w	vater into one of the process tank	s.	4.70					

PROCESS TANKS-AND DAY-TANK-INSPECTION-

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)		No	Yes*	(Ng	Yes*	(No)	Yes*	(MS)
All decant valves and transfer valves locked out?**		No*	Yes	No*	XB3	No*	NA	NA
Are transfer pumps ready for service?	Ves	No*	Res	No*	Xes	No*	NA .	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	N ₀	Yes*	No	Yes*	Ma
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Mes	No	Yes	No	(es)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Ves	No	Yes	No	Q.	No
Mixer running and turbulence/vortex observed?**	Yes	Ng	Yes	Not	Yes	Nex
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 199 Oil temperature	11	Ø∵ °F	11	3 °F	11	/ °F

Date:	8/13/	(8	Time	•	Inspector Initials: K4H	
NOTE:	S:					
			_	er immediate hotographs.	ely if any of these conditions are observed and thoroughly	
					hutdown of mixers and opening of decant valves. Notify Sit tion is observed and active washing is not occurring.	е
	-				le generators to power the mixers in the event of a power onsolidating in the bottom of the Process Tanks.	
	NENTS: ibe all "yes	" answers, c	any obse	rved damage,	e, any areas that could not be inspected and the reason, etc	c. <i>)</i>
- /	Aires	off	to	reduce	weak	_ _ _
		7/	1.1	71.		_

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>8/14/18</u> Time:	0830	Inspecto	r Initials:	19 H				
PR	PROCESS PIPING INSPECTION								
1.	Observe piping between Process Tank secondary containment and FBR secondary containment. Any leaks, punctures, damage, bulges visible? Yes* No								
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes* N								
3.	3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 2157, 410 (gallons)								
SEC	CONDARY CONTAINMENT INSPECTIO	N							
4.	Perform 360 perimeter walk to obse	erve liner system	for potential wea	er and tear.					
	Any leaks, punctures, or other d	amage visible?		Yes	(No)				
5.	Is there storm water accumulation garden and storm water into o			Yes	(No)				
6.	5. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.								
PROCESS TANKS AND DAY TANK INSPECTION									
7.	Perform 360 degree walk around of	each tank to insp	ect for damage o	or leaks and lock	out of valves:				
		T-201	T-202	T-203	T-204				

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(S)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	ves	No*	es	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No	Yes*	(No)	Yes*	(Ne)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	ves	No	(es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature93 Oil temperature	c	3°F	9	2 °F	9	4°F

Date: 8/14/18	Time:	Inspector Initials:	169-11
NOTES:			
* - Notify Site Implementation	on Manager immediately if any through photographs.	of these conditions are ob	served and thoroughly
	g requires occasional shutdow nmediately if this condition is c		
	ize and connect portable gener o prevent solids from consolida	•	·
COMMENTS:			
(Describe all "yes" answers,	any observed damage, any a	reas that could not be inspe	ected and the reason, etc.)
- Morry aff	to reduce wear.		
·/	1. 1 Hay		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	#33
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: 8/15/18 Time: 1325 Inspector	Initials:	Kall
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBF	R secondary co	ontainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas Flowmeter: 2, 162, 620 (gallons)	t of Process Ta	anks.
SE	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear	r and tear.	
	Any leaks, punctures, or other damage visible?	Yes	(No)
5.	Is there storm water accumulation greater than 1 foot?	Yes	No
	If Yes, pump storm water into one of the Process Tanks.		1)
6.	Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	Gro

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 00 Oil temperature	(0	7. °F	(0	€ °F	10	7 °F

Date: 8/15/18 Time: Inspector Initials:
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Replaced temporatere probe in Compreyor - Met 69 to design & install a shade canops - Mixers of to reduce acar
Operator Signature: Kell S. Hauser

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date:	4/16/18	Time:	1245	Inspector Initials	169	H
PROCE	SS PIPING INSPECTION					
1. Ol	serve piping between Pr	ocess Tank se	condary contains	nent and FBR second	dary contain	ment.
	Any leaks, punctures, d	amage, bulge	s visible?	Y	es*	No
2. Ob	serve piping in Process T	ank secondar	y containment ar	ea.		73
	Any leaks, punctures, d	amage, bulge	s visible?	Y	es*	(No)
3. Re	cord reading on Stabilize			owmeter east of Pro	cess Tanks.	
SECON	DARY CONTAINMENT IN	ISPECTION				
4. Pe	form 360 perimeter wal	k to observe l	iner system for po	otential wear and te	ar.	0
	Any leaks, punctures, o	r other dama	ge visible?	Y	es	No
5. Is t	here storm water accum	ulation greate	er than 1 foot?	Y	es	No
	If Yes, pump storm water	er into one of	the Process Tank	5.		
6. Is t	here storm water accum	ulation in equ	iipment pad sumj	os?: Yo	25	No
	If Yes, pump storm water	er into one of	the process tanks	S.		
PROCE	SS TANKS AND DAY TAN	K-INSPECTION	¥			
7. Per	form 360 degree walk ar	ound of each	tank to inspect for	or damage or leaks a	nd lock out	of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Mess	No*	Ye	No*	Ves	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	Ne
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Ves	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Ves	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 00 Oil temperature	(0	O °F	10	ר °ָF	10	/ °F

Date: 8/18/18 Time: Inspector Initials: KS IV
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS:
(Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixer off to reduce wear
Operator Signature: Myl J. Hansu

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	5
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: 9/17//9 Time:	0850	-8	Inspecto	r Initials		K-57	
PR	OCESS PIPING INSPECTION							
1.	Observe piping between Process Ta	ank secondary co	ntainmei	nt and FE	R secon	dary con	tainment	4
	Any leaks, punctures, damage,	bulges visible?			Y	es*	No	٥)
2.	Observe piping in Process Tank seco	ondary containme	ent area.	ı				3
	Any leaks, punctures, damage,	bulges visible?			Υ	es*	No	ב')
3.	Record reading on Stabilized Lake N	-		neter ea	st of Pro	cess Tan	ks.	
	Flowmeter: 2, 163, 2	-/O (gallon	s)					
SEC	CONDARY CONTAINMENT INSPECTIO	NC						
4.	Perform 360 perimeter walk to obse	erve liner system	for pote	ntial wea	ar and te	ar.	5	1
	Any leaks, punctures, or other of	lamage visible?			Υ	2S	(N	2
5.	Is there storm water accumulation g	greater than 1 foo	ot?		Υ	2S	No	•
	If Yes, pump storm water into o	ne of the Process	Tanks.				X	9
6.	Is there storm water accumulation i	n equipment pad	sumps?	*	Y	≘s	N	3
	If Yes, pump storm water into o	ne of the process	tanks.					
PRO	DCESS TANKS AND DAY TANK INSPE	CTION						
7.	Perform 360 degree walk around of	each tank to insp	ect for c	lamage o	or leaks a	nd lock	out of va	lves:
		T-201	Ţ-2	202	T-2	03	T-2	<u>.</u> 04
Vis	sible damage or leaks/stains?					1	_	$\overline{\lambda}$

Yes* (No) Yes* (No) Yes* Yes* (No) (No) (inspect all welds and nozzles/valves) All decant valves and transfer valves Yes No* Yes No* No* NA NA locked out?** Are transfer pumps ready for No* Yes No* No* NA NA service?

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No	Yes*	(No)	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No	Yes	Ne
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 97 Oil temperature	9-	} °F	91) °F	90	°F

Date:	8/17/1	8_	Time:		Inspector Initials	s: <u>/</u>	K 5/1	_
NOTES:								
			lanager immedia ugh photographs		nese conditions ar	e observ	ed and thor	oughly
					nixers and openin ved and active wa			
					s to power the mix in the bottom of t			power
COMMEN	ITS:							
(Describe	all "yes" an	swers, any	observed damag	ge, any areas (hat could not be	inspecte	d and the re	ason, etc.)
				<u> </u>				
-Mi	Levy	off	to reduc	- e Welcus	/			
W								
Operator	Signature: _	Kyl	I. Ha	usin				

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>8/14/19</u> Tir	me: /468	Inspector Initials:	K4H					
PR	PROCESS PIPING INSPECTION								
1.	Observe piping between Proce Any leaks, punctures, dama		ainment and FBR secondary Yes*	containment.					
2.		secondary containmen	nt area.	Olo.					
3.	Record reading on Stabilized La	ake Mead Water (SLMW	/) flowmeter east of Process	Tanks.					
	Flowmeter: 2, 166,	<u>910</u> (gallons)							
SEC	ONDARY CONTAINMENT INSPE	ECTION							
4.	Perform 360 perimeter walk to	observe liner system fo	or potential wear and tear.	0					
	Any leaks, punctures, or ot	her damage visible?	Yes	No					
5.	Is there storm water accumulated in the storm water	-		6					
6.	Is there storm water accumulated If Yes, pump storm water in		·	No					
PRO	DCESS TANKS-AND DAY TANK-IN	ISPECTION	<i>P</i>						
7.	Perform 360 degree walk arour	nd of each tank to inspe	ct for damage or leaks and le	ock out of valves:					

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	N	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

		201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Ye	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	es	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No*)	Yes	(No*)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 94 Oil temperature	90	e °F	9	≶ °F	94	°F

Date: _	8/19/18	Time:	Inspector Initials:	K4H
NOTES	:			
	ify Site Implementatio ent on this form and t		ely if any of these conditions are ob	served and thoroughly
			shutdown of mixers and opening of olition is observed and active washing	
		*	ole generators to power the mixers i consolidating in the bottom of the Pr	
COMM (Describ		any observed damag	e, any areas that could not be inspe	ected and the reason, etc.)
- N	ixles off	to reduce	wav	
Operato	or Signature:	6 S. Han	lu_	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: <u>8/19/18</u> Time: <u>0655</u> Inspector	r Initials:	KGH
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FB		ontainment.
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
Observe piping in Process Tank secondary containment area.		X
Any leaks, punctures, damage, bulges visible?	Yes*	(No
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas	st of Process T	anks.
Flowmeter: $2,166,900$ (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wea	ir and tear.	0.
Any leaks, punctures, or other damage visible?	Yes	No
5. Is there storm water accumulation greater than 1 foot?	Yes	(No)
If Yes, pump storm water into one of the Process Tanks.		2
6. Is there storm water accumulation in equipment pad sumps?:	Yes	No
If Yes, pump storm water into one of the process tanks		

PROCESS TANKS AND DAY TANK INSPECTION-

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	(M)
All decant valves and transfer valves locked out?**	(es)	No*	(es)	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Ye	No*	Yes	No*	NA	NA

					The second secon	
	T-2	201	T-202		T-203	
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(es)	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	CVes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>99</u> Oil temperature	90	°F	8	9°F	89	°F

Date:	8/19/18	Time:	Inspector Initials: PSH
NOTES:			
	Site Implementatio t on this form and t		diately if any of these conditions are observed and thoroughly ths.
			nal shutdown of mixers and opening of decant valves. Notify Site ondition is observed and active washing is not occurring.
•		•	rtable generators to power the mixers in the event of a power m consolidating in the bottom of the Process Tanks.
COMMEN	TS:		
(Describe	all "yes" answers,	any observed dan	nage, any areas that could not be inspected and the reason, etc.)
- M	cors off to	reduce	wear
Operator	Signature:	& 1. Han	un_

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>8/20/18</u> Time: <u>//39</u> Inspector Initi	als:	KGH						
	PROCESS PIPING INSPECTION								
1.	Observe piping between Process Tank secondary containment and FBR sec	ondary cor	ntainmen <u>t.</u>						
	Any leaks, punctures, damage, bulges visible?	Yes*	No						
2.	Observe piping in Process Tank secondary containment area.		20						
	Any leaks, punctures, damage, bulges visible?	Yes*	No						
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of I	rocess Tar	nks.						
	Flowmeter: 2,172,005 (gallons)								
SEC	SECONDARY CONTAINMENT INSPECTION								
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.							
	Any leaks, punctures, or other damage visible?	Yes	No						
5.	Is there storm water accumulation greater than 1 foot?	Yes	No						
	If Yes, pump storm water into one of the Process Tanks.		_						
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No						

PROCESS TANKS AND DAY-TANK-INSPECTION

If Yes, pump storm water into one of the process tanks.

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	Τ-2	202	Τ-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	6
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Ves	No*	NA	NA

		T-201		T-202		203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	es	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	(es)	No
Mixer running and turbulence/vortex observed?**		(No*	Yes	Ng*	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 108 Oil temperature	105	3 °F	10	î °F	10	9°F

Date:	4/20/18	Time:	Insp	ector Initials:	KSH_
NOTE	S:				
		entation Manager im n and through photog	mediately if any of these c graphs.	onditions are obs	erved and thoroughly
			sional shutdown of mixers is condition is observed ar		
	-		portable generators to portable generators to portable from consolidating in the		•
	MENTS: ribe all "yes" ans	wers, any observed o	damage, any areas that c	ould not be inspe	cted and the reason, etc.)
-1	lixer of	to vedice e	wear		
- 5	hade can	opy for c	ompressor is	ustalled	
	tor Signature: _	Kyl S	Haus		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: <u>9/21/18</u> Time: <u>0825</u> Inspector	r Initials: <u></u>	'SH							
PROCESS PIPING INSPECTION									
1. Observe piping between Process Tank secondary containment and FB	1. Observe piping between Process Tank secondary containment and FBR secondary containment,								
Any leaks, punctures, damage, bulges visible?	Yes*	(NO)							
2. Observe piping in Process Tank secondary containment area.		20							
Any leaks, punctures, damage, bulges visible?	Yes*	Nø							
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas	st of Process Tar	nks.							
Flowmeter: $\frac{Z_1/7Z_1605}{}$ (gallons)									
SECONDARY CONTAINMENT INSPECTION									
4. Perform 360 perimeter walk to observe liner system for potential wea	r and tear.	R							
Any leaks, punctures, or other damage visible?	Yes	(Ng)							
5. Is there storm water accumulation greater than 1 foot?	Yes	(No)							
If Yes, pump storm water into one of the Process Tanks.		_							
6. Is there storm water accumulation in equipment pad sumps?:	Yes	(No							
If Yes, pump storm water into one of the process tanks.									
PROCESS TANKS-AND DAY-TANK-INSPECTION									
7. Perform 360 degree walk around of each tank to inspect for damage o	r leaks and lock	out of valves:							

	T-2	T-201		T-202		T-203		204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	(No	Yes*	160	Yes*	100	Yes*	(No
All decant valves and transfer valves locked out?**	(PES)	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	(PE)	No*	(ve)s	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(Ng
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(les	No	yes)	No	(Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Xes)	No	Yes	No	les	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No)	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 95 Oil temperature	9	3 °F	9	ς °F	9-	≥ °F

Date: 4	3/21/18	Time:		Inspector Initials:	K51f
NOTES:	•				
		n Manager immedia nrough photographs		ese conditions are ob	served and thoroughly
				nixers and opening of ed and active washing	decant valves. Notify Site g is not occurring.
=			_	to power the mixers n the bottom of the P	in the event of a power Process Tanks.
COMMENTS	d +				
(Describe all	"yes" answers, a	iny observed dama	ige, any areas ti	nat could not be insp	ected and the reason, etc.)
- Mixe	in all to	redoce je	Mar	2	
Operator Sig	nature:	Isl S. Ha	we		· · · · · · · · · · · · · · · · · · ·

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	23
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>4/22/(8</u> Time: <u>09(9</u>	inspecto	r Initials:	244
PR	OCESS PIPING INSPECTION			
1.	Observe piping between Process Tank secondary of Any leaks, punctures, damage, bulges visible?	ontainment and FE	R secondary con Yes*	tainment.
2.	Observe piping in Process Tank secondary contain	ment area.		X
	Any leaks, punctures, damage, bulges visible?		Yes*	(Na
3.	Record reading on Stabilized Lake Mead Water (SI	MW) flowmeter ea	st of Process Tan	ks.
	Flowmeter: 2,172, 005 (gall	ons)		
SE	CONDARY CONTAINMENT INSPECTION			
4.	Perform 360 perimeter walk to observe liner syste	m for potential wea	ar and tear.	_
	Any leaks, punctures, or other damage visible	1	Yes	(No)
5.	Is there storm water accumulation greater than ${\bf 1}$	foot?	Yes	No
	If Yes, pump storm water into one of the Proce	ess Tanks.		<i>→</i>
6.	Is there storm water accumulation in equipment p	ad sumps?:	Yes	No
	If Yes, pump storm water into one of the proce	ess tanks.		
-PR	DCESS TANKS AND DAY TANK INSPECTION			
7.	Perform 360 degree walk around of each tank to in	spect for damage o	or leaks and lock	out of valves:
	T-201	T-202	T-203	T-204

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	(No)	Yes*	(No)	Yes*	(No)	Yes*	(V)
All decant valves and transfer valves locked out?**	(es)	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	res	No*	(Ye)	No*	Ye	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(NO)	Yes*	(de)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(res)	No	Yes	No	(es)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	(No)	Yes	(b)
Mixer running and turbulence/vortex observed?**	(es)	No*	res	No*	es	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature93 Oil temperature	94	°F	9	3 °F	91	∕ °F

Date: _	8/22	18	Time:		Inspecto	r Initials:	1241	
NOTES	:							
			on Manager im hrough photo		y of these cond	itions are obs	served and thoroug	hly
							decant valves. Noti	fy Site
	*				erators to power ating in the bot		n the event of a povocess Tanks.	wer
сомм	ENTS:							
(Descrit	be all "yes"	answers,	any observed	damage, any d	reas that could	not be inspe	cted and the reaso	n, etc.)
- M	Hlys	ren	For 10	minutes	to mix	wofu		
Operato	nr Signatur	Ne	4.1.71	Saa A			The second are trained and about the second are second as a second are trained as a second are second are second a	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	ite: <u>8/23/18</u> Time: <u>1092</u> Inspector Init	ials: <u> </u>	A
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec	condary contain	ment.
	Any leaks, punctures, damage, bulges visible?	Yes*	N6)
2.	Observe piping in Process Tank secondary containment area.		75
	Any leaks, punctures, damage, bulges visible?	Yes*	(Na)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 2172005 (gallons)	Process Tanks.	
SE	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	d tear.	^
	Any leaks, punctures, or other damage visible?	Yes	(10)
5.	Is there storm water accumulation greater than 1 foot?	Yes	(Va)
	If Yes, pump storm water into one of the Process Tanks.		α
6.	Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	No

PROCESS TANKS AND DAY-TANK-INSPECTION -

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

(6) 90	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	NO
All decant valves and transfer valves locked out?**	(les	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Ves	No*	Yes	No*	ves	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(ves	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	res	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No*)	Yes	Now
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	_ Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	96	2 °F	95	°F	95	°F

Date:	8/23/	14	Time: _			Inspecto	r Initials: _		KGA	
NOTES:										
	y Site Imple nt on this fo			r immediate otographs.	ly if any of	these cond	itions are o	bserv	ed and the	oroughly
				occasional sh if this condit						
				nect portabl olids from co	_					a power
COMME (Describe		ınswers, a	ny observ	ved damage,	, any areas	that could	not be ins	pecte	d and the I	reason, etc.)
- N	ixles	off	to 1	reduce	wear		22.288			

Operator Signature:

EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Ryl. S. Herren

Da	ate: 8/24/18 Time: 0952 Inspector Initi	ials: <u> </u>	<u>H</u>
PR	ROCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec	ondary contain	ment.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		_
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of	Process Tanks.	
	Flowmeter: $2,179,590$ (gallons)	0.000	
SE	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	l tear.	a
	Any leaks, punctures, or other damage visible?	Yes	(Ng)
5.	Is there storm water accumulation greater than 1 foot?	Yes	N
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No
	If Yes, pump storm water into one of the process tanks.		
PR	OCESS TANKS AND DAY TANK INSPECTION		

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	M	Yes*	No	Yes*	
All decant valves and transfer valves locked out?**	(res)	No*	Yes	No*	(Fas)	No*	NA	NA
Are transfer pumps ready for service?	ves	No*	(es)	No*	(Yes)	No*	NA	NA

	T-2	201	T-2	202	T-2	03
Visible oil leaks from gear box?	Yes*	(No)	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(es)	No	(Yes)	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	6
Mixer running and turbulence/vortex observed?**	y(es)	No*	Yes	No*	Yes/	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 94 Oil temperature	10) (°F	10	O °F	90	7°F

Date: _	4/24/	18	Time:		Inspector Initial	s:/	LSH_
NOTES:	•						
			Manager imn rough photog		these conditions ar	e observ	ved and thoroughly
					f mixers and openirerved and active wa		ant valves. Notify Site not occurring.
					ors to power the mi g in the bottom of t		ne event of a power ess Tanks.
COMME	NTS:						
(Describ	e all "yes"	answers, a	ny observed d	lamage, any area	s that could not be	inspecte	d and the reason, etc.)
- M	ixers 1	on y	Cer 30	minutes			
			r				

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

	100 I INOL III OCIII ILOO IIII IIIO EGILORI OIIII								
Dat	te: <u>8/25/18</u> Time: <u>0656</u> Inspector Initials: <u>K 5/-</u>								
PR	OCESS PIPING INSPECTION								
1.	R								
	Any leaks, punctures, damage, bulges visible? Yes*								
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes*								
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 2,185,660 (gallons)								
SEC	ONDARY CONTAINMENT INSPECTION								
4.	Perform 360 perimeter walk to observe liner system for potential wear and tear.								
	Any leaks, punctures, or other damage visible? Yes No								
5.	Is there storm water accumulation greater than 1 foot? Yes								
	If Yes, pump storm water into one of the Process Tanks.								
6.	Is there storm water accumulation in equipment pad sumps?: Yes								
	If Yes, pump storm water into one of the process tanks.								
PRC	DCESS TANKS AND DAY TANK INSPECTION								
7.	Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:								
	T-201 T-202 T-203 T-204								

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Nes	No*	(es)	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	es	> No*	(ves)	No*	Res	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	MO
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	es	No	(e)	No	(Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	res	No	(es)	No (es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 23 Oil temperature	86	°F	8	3 °F	85	°F

Date: _	9/25/1	<u>8'</u> Ti	me:		Inspector I	nitials:	KSH	
NOTES	:							
			nager immedia th photographs		these condition	ons are obse	rved and thoroug	şhly
							cant valves. Not not occurring.	ify Site
			l connect porta ent solids from	_	-		the event of a po cess Tanks.	wer
сомм	ENTS:							
(Descri	be all "yes" aı	nswers, any o	bserved damag	ge, any area	s that could no	ot be inspect	ed and the reaso	on, etc.)
- 1	Mixery	off te	, reduce	e we	ev			
=								
Operato	or Signature:	Phyli	S. Han	<u></u>			Ar-in-Str-10-10-10-10-10-10-10-10-10-10-10-10-10-	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Đa	te: 8/26/18 Time: 0700 Inspector Initi	als: <u>K514</u>	<u> </u>
	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec	ondary contains	ment.
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	16
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of F	Process Tanks.	
	Flowmeter: 2,185,660 (gallons)		
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	-
	Any leaks, punctures, or other damage visible?	Yes	(No)
5.	Is there storm water accumulation greater than 1 foot?	Yes	No
	If Yes, pump storm water into one of the Process Tanks.		1
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No
	If Yes, pump storm water into one of the process tanks.		_

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	M	Yes*	No	Yes*	(No)	Yes*	(Je)
All decant valves and transfer valves locked out?**	es	No*	es	No*	(Yes)	No*	NA	NA
Are transfer pumps ready for service?	es	No*	Yes	No*	(Yes)	No*	NA	· NA

	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No	Yes*	(No.
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	Ves	No
Mixer running and turbulence/vortex observed?**		No*	Yes	No*	Yes	Ne*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature <u>G</u> Oil temperature	8	7 °F	8	7 °F	80	2°F

Date: _	8/24/	<u> </u>	Tir	ne:		Inspec	tor Initials	s:	164	<u>'- </u>	
NOTES:	' '										
				nager immedi h photograph		these co	nditions an	e obs	erved ar	nd thoroug	hly
				res occasiona tely if this cor							fy Site
				connect port nt solids from	_					•	wer
COMME	NTS:										
(Describ	e all "yes"	answers,	any ob	oserved dama	ge, any area	s that cou	ıld not be i	inspe	cted and	the reaso	n, etc.)
Ni	cers	off	10	reduce	wear						
		N	/	111							

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: $8/27/8$ Time: 1430 Inspector In	itials:	129 H
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR so	condary co	ntainment
	Any leaks, punctures, damage, bulges visible?	Yes*	(6)
2.	Observe piping in Process Tank secondary containment area.		2
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east o Flowmeter: 2,192,160 (gallons)	f Process Ta	nks.
4	Perform 360 perimeter walk to observe liner system for potential wear a	nd tear	
4.	Any leaks, punctures, or other damage visible?	Yes	No
5.	Is there storm water accumulation greater than 1 foot?	Yes	(Na)
	If Yes, pump storm water into one of the Process Tanks.		07
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No
	If Yes, pump storm water into one of the process tanks.		
-PRO	DCESS TANKS AND DAY TANK INSPECTION		
7.	Perform 360 degree walk around of each tank to inspect for damage or le	aks and locl	k out of valves:

	T-201		T-2	202	2 T-		T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(Va)
All decant valves and transfer valves locked out?**	es	No*	res	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Tes	No*	(es)	No*	yes)	No*	NA	NA

	T-2	201	T-202		T-2	03
Visible oil leaks from gear box?	Yes*	(No)	Yes*	No	Yes*	(Jø
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Nes	No	Ves	No	(es)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Ves	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	No*	Yes	Nos
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOC Oil temperature	94	°F	90	°F	98	°F

Date: _	8/27/18	Time:		Inspector Initials:	KSH
NOTES:					
	fy Site Implementation ent on this form and th			ese conditions are ob	served and thoroughly
	ive sediment washing i entation Manager imm				decant valves. Notify Site g is not occurring.
	procedures to mobilize ater than six hours to p				in the event of a power rocess Tanks.
COMMI	ENTS:				
(Describ	ne all "yes" answers, a	ny observed dan	nage, any areas t	hat could not be inspe	ected and the reason, etc.)
Mix	cers of to	relvel u	rear		
٤.					
Operato	or Signature:	l. S. Ha	usi		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	ate: <u>8/28//8</u> Time:	147	32	-	Inspecto	r Initials	: <i> </i>	CG 1.1		
PF	OCESS PIPING INSPECTION									
1.	Observe piping between Process Ta	nk seco	ndary co.	ntainmer	nt and FE	R secon	dary con	tainmen	t	
	Any leaks, punctures, damage,	bulges vi	isible?			Y	es*	N. N	9	
2.	Observe piping in Process Tank seco	ondary c	ontainm	ent area.	•				1	
	Any leaks, punctures, damage,	bulges vi	sible?			Y	es*	O	מ	
3.	Record reading on Stabilized Lake N	/lead Wa	ter (SLM	W) flow	neter ea	st of Pro	cess Tan	ks.		
	Flowmeter: <u>2, 192, 150</u> (gallons)									
SE	CONDARY CONTAINMENT INSPECTION	ON								
4.	Perform 360 perimeter walk to obse	erve line	r system	for pote	ntial wea	ar and te	ar.		5 .	
	Any leaks, punctures, or other o	lamage v	/isible?			Υ	es	(No		
5.	Is there storm water accumulation g	greater t	han 1 fo	ot?		Υ	es	No	2)	
	If Yes, pump storm water into o	ne of the	Process	Tanks.					-)	
6.	Is there storm water accumulation i	n equipr	nent pac	l sumps?	:	Υ	es	(NK	5	
	If Yes, pump storm water into o	ne of the	process	tanks.						
PR	OCESS TANKS AND DAY TANK INSPE	CTION -								
7.	Perform 360 degree walk around of	each tai	nk to insp	ect for o	lamage d	or leaks a	nd lock	out of va	lves:	
		T-2	201	T-2	202	T-2	203	T-2	204	
Vi	sible damage or leaks/stains?	., .	0		3			., .	R	

	T-201		T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	0	Yes*	N	Yes*	No	Yes*	(No
All decant valves and transfer valves locked out?**	ves	No*	W ₂	No*	Ves	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	es	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	(No*)	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	9	7°F	10) (°F	98	°F

Date:	8/28/16	Time:		Inspector Initials:	K411	
NOTE	S:					
		ation Manager immedia nd through photographs		ese conditions are ob	oserved and thoroug	thly
		ning requires occasional immediately if this con-				ify Site
	·	bilize and connect porta s to prevent solids from	-	•	•	wer
COMN	MENTS:					
Desci	ribe all "yes" answe	rs, any observed damag	ge, any areas th	nat could not be insp	ected and the reasc	on, etc.)
- 11	ixers of	to reduce u	year.			
ii.						
Opera	itor Signature:/	Ryl S. How	du_			

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	18
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 8	129/18	Time:	1125	Inspecto	r Initials:	Kall				
PROCESS PIP	ING INSPECTION									
	piping between Pr eaks, punctures, c		•	ntainment and FB	R secondary con Yes*	No No				
	oiping in Process 1 eaks, punctures, o		-	ent area.	Yes*	No				
	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 2, 192, 150 (gallons) ECONDARY CONTAINMENT INSPECTION									
SECONDARY	CONTAINMENT IN	NSPECTION								
4. Perform 3	60 perimeter wal	lk to observe	e liner system	for potential wea	r and tear.					
Any I	aks, punctures, o	r other dam	age visible?		Yes	(No)				
5. Is there s	orm water accum	nulation grea	iter than 1 foo	ot?	Yes	(No)				
If Yes	pump storm wat	er into one o	of the Process	Tanks.						
6. Is there st	orm water accum	nulation in e	quipment pad	sumps?:	Yes	No				
If Yes	pump storm wat	er into one o	of the process	tanks.						
PROCESS TAN	KS-AND DAY-TAN	IK-INSPECTION	ON		***************************************	tery-stille-stillionskinnesti tilde saleska tillionilliot skall sambakantilen				
7. Perform 3	60 degree walk a	round of eac	h tank to insp	ect for damage o	r leaks and lock	out of valves:				
			T-201	T-202	T-203	T-204				

	T-201		T-2	202	T-2	203	T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-201 T-202		T-203			
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	(Ve)	No
Mixer running and turbulence/vortex observed?**		(Vo*)	Yes	(No)	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	e 94°F 90) °F	92	2 °F	

Date:	<u> </u>	Time:	Inspector Initials:	164 H
* - No	otify Site Implemen	tation Manager immediate	ly if any of these conditions are ob	served and thoroughly
			hutdown of mixers and opening of tion is observed and active washing	
	•	•	le generators to power the mixers onsolidating in the bottom of the P	•
	MENTS: ribe all "yes" answ	ers, any observed damage	e, any areas that could not be inspo	ected and the reason, etc.)
- N	likers off d	Le reduce wear.		
2	V	W. J. Ham		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: $\frac{9/30/18}{}$ Time: $\frac{1525}{}$ Inspector Ini	tials:	16611
PR	/ / OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR se Any leaks, punctures, damage, bulges visible?	condary o	containment.
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 2, 192, 150 (gallons)	Process	Tanks.
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear ar	d tear.	
	Any leaks, punctures, or other damage visible?	Yes	(No)
5.	Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	Yes	No
6.	Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	(No)

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No.	Yes*	No	Yes*	(N)
All decant valves and transfer valves locked out?**	res	No*	Yes	No*	Ves	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	es	No	Yes	No	Ves	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes) No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No*)	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 05 Oil temperature	102 °F 103 °F		ζ°F	10	√ °F	

	HOD I TIMBE IN GOM	1.0011112 11131 2011011 101	****
Date: 8/30/(Inspector Initials: _	K&H_
	mentation Manager immediate rm and through photographs.	ly if any of these conditions are o	bserved and thoroughly
		hutdown of mixers and opening o tion is observed and active washi	
-	-	le generators to power the mixers on solidating in the bottom of the	-
COMMENTS: (Describe all "yes" al	nswers, any observed damage	, any areas that could not be ins	pected and the reason, etc.)
- Mixers	off to reduce	Wed	
Operator Signature:	Kyle S. Ha	m	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	×
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>8/31/18</u> Time: <u>07^c(3</u> Inspector Initi	ials:	KSH
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec	ondary co	ontainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 7, 198, 820 (gallons)	rocess Ta	anks.
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	a
	Any leaks, punctures, or other damage visible?	Yes	(No)
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	es	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	res	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	(res)	No	(ves	No
Mixer running and turbulence/vortex observed?**	Yes	(10*)	Yes	No*	Yes	(No*)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 42 Oil temperature	8	o °F	80	S °F	80	∕ °F

KOS DHASE III ORM ROLITINE INSDECTION FORM

NOS PHASE III OXIVI ROUTINE INSPECTION FORIVI
Date: 8/31/18 Time: Inspector Initials: KGH NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixers off to reduce wear.

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

KOS PHASE III	O&M ROLITINE	INSPECTION FORM
NOS L INSE III	OBIN NOUTHE	

	,		
Da	te: 9/1/18 Time: 0725 Inspector Initia	als: <u> </u>	H
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR secondary	ondary containn	nent.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.	.4	
	Any leaks, punctures, damage, bulges visible?	Yes*	(Nø
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P	rocess Tanks.	
	Flowmeter: 2, 198, 820 (gallons)		
SEC	ONDARY CONTAINMENT INSPECTION		
4	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	0
••	Any leaks, punctures, or other damage visible?	Yes	
	Any leaks, punctures, or other damage visible:	162	
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.		_
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	(No

PROCESS TANKS AND DAY-TANK-INSPECTION-

If Yes, pump storm water into one of the process tanks.

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	(Ng)	Yes*	(No)	Yes*	(No)	Yes*	a
All decant valves and transfer valves locked out?**		No*	es	No*	(Yes)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

- X	T-201		T-202		T-2	.03
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(P)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Ves	No	Yes	No	Ves	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	(Yea	No	6	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 79 Oil temperature	_	· °F	82	°F	80	°F

Date: _	9/1/18	Time:	Inspector Initials:	KSH
NOTES				
		itation Manager immedia and through photographs	tely if any of these conditions are	observed and thoroughly
			shutdown of mixers and opening dition is observed and active was	
		·	able generators to power the mixe consolidating in the bottom of th	•
сомм	IENTS:			
(Descri	be all "yes" answ	vers, any observed dama	ge, any areas that could not be in	rspected and the reason, etc.)
- Nò	xerg off	to reduce we		
Operat	or Signature:	Kyle S. Han	u	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	X.
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 9/2/18 Time: 0719 Inspector	Initials:	KSH
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBI	R secondary co	ntainment.
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2. Observe piping in Process Tank secondary containment area.		
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas	t of Process Ta	inks.
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear	r and tear.	
Any leaks, punctures, or other damage visible?	Yes	No
5. Is there storm water accumulation greater than 1 foot?	Yes	(N)
If Yes, pump storm water into one of the Process Tanks.		
6. Is there storm water accumulation in equipment pad sumps?:	Yes	No
If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(No)	Yes*	(No)	Yes*	(NO
All decant valves and transfer valves locked out?**	Yes	No*	(es	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	(Ves	No*	Yes	No*	Yes	No*	NA	NA

	T-201		T-202		T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	es	No	(es)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	(es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	Not
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 78 Oil temperature	-	- °F	8	O °F	B	} °F

Date: _	9/2/18	Time:	Inspector Initials:	KGH
NOTES:	•			
		entation Manager immediaton and through photographs.	ely if any of these conditions are o	observed and thoroughly
			hutdown of mixers and opening	
			le generators to power the mixed onsolidating in the bottom of the	
сомм	ENTS:			
(Descril	be all "yes" an	swers, any observed damag	e, any areas that could not be ins	spected and the reason, etc.)
-Mi	xurs off	to reduce way		
		1		
Operato	or Signature:	Kyl S. Han	su	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	7-
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>9/3/(8</u> Time: <u>704</u> Inspector Initi	als: <i>K_</i>	514
PR	/ / OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR secondary leaks, punctures, damage, bulges visible?	ondary conta Yes*	inment.
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 2,203,370 (gallons)	rocess Tanks	·•
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible?	tear. Yes	(No)
5.	Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	Yes	6
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	(No)

PROCESS TANKS AND DAY-TANK INSPECTION-

If Yes, pump storm water into one of the process tanks.

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(Va)
All decant valves and transfer valves locked out?**	(Yes)	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Ves	No*	Yes	No*	Yes	No*	NA	NA

	T-201		T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	es	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes) No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(OV)	Yes	No*	Yes	(No.
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 79 Oil temperature	~	- °F	8	2 °F	87	3°F

Date: _	9/3/18	Time:		Inspector Initials:	KSH	
NOTES	•					
		tion Manager immedi d through photograph		ese conditions are ob	served and thorough	У
		ng requires occasiona mmediately if this co			decant valves. Notify g is not occurring.	Site
		ilize and connect port to prevent solids fron	_	•	in the event of a pow Process Tanks.	er
NOTES: * - Notify Site document on the second seco	ENTS:					
(Descri	be all "yes" answers	s, any observed damo	age, any areas t	nat could not be insp	ected and the reason,	etc.)
- N	lixers off	to reduce u	ular			
			n 25133			
Onerat	or Signature:	Ll J Hans	4~			

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>9/4/18</u> Time: <u>08(7</u> Inspecto	or Initials: <u>L</u>	1514
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FE	R secondary con	tainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter ea Flowmeter: 2205, 870 (gallons)	st of Process Tan	ks.
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wea	ar and tear.	
	Any leaks, punctures, or other damage visible?	Yes	No
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.		-)
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No
	If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

18 E	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(No)	Yes*	(No)	Yes*	(Nô
All decant valves and transfer valves locked out?**	Yes	No*	Ves	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	(es	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No No	(Les	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	(Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	New
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature <u>\$0</u> Oil temperature		°F	8	4°F	BZ	- °F

Date:	9/4/18	Time:		Inspector Initials:	KSH
NOTE	S:				
	•	ation Manager immed ad through photograp		ese conditions are obs	erved and thoroughly
				ixers and opening of d ed and active washing	decant valves. Notify Site is not occurring.
				to power the mixers in the bottom of the Pr	n the event of a power ocess Tanks.
COMI	/IENTS:				
(Desci	ibe all "yes" answe	rs, any observed dan	nage, any areas th	at could not be inspe	cted and the reason, etc.)
~ N	then off	to reduce u	vear.		
ii .					
	0	10171			9

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>9/5/18</u> Time: <u>0740</u> Inspector Initia	als: <u>#</u> 9	f/
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR secondary	ondary contain	ment.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	Nø
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P	rocess Tanks.	
	Flowmeter: 2205, 900 (gallons)		
SEC	CONDARY CONTAINMENT INSPECTION		(G.A.)
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	
	Any leaks, punctures, or other damage visible?	Yes	No
5.	Is there storm water accumulation greater than 1 foot?	Yes	No
	If Yes, pump storm water into one of the Process Tanks.		•
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No

PROCESS TANKS AND DAY TANK INSPECTION

If Yes, pump storm water into one of the process tanks.

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	No
All decant valves and transfer valves locked out?**	(Yes)	No*	Yes	No*	es	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	res	No	Yes	No	(Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	Ø10*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	~	°F	8	۲°°F	87	°F

Date: _	9/5/1	8	Time:		Inspector Initials:	KGH	_
NOTES	:						
			lanager immedia ugh photographs		ese conditions are ob	served and thorou	ughly
					ixers and opening of ed and active washin		
	*		•	_	to power the mixers I the bottom of the P	•	ower
сомм	ENTS:						
(Descri	be all "yes" a	nswers, any	observed dama	ge, any areas th	at could not be insp	ected and the rea	son, etc.)
- N	Mylus	off te	reduce	weer			
Operat	or Signature:	Hyl	1. Han	un.		·	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	ate: $9/6/18$ Time: 0809 Inspe	ctor Initials:	'Н
PF	ROCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and	FBR secondary conta	inment
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter	east of Process Tanks	i.
	Flowmeter: 2205905 (gallons)		
SE	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential v	wear and tear.	_
	Any leaks, punctures, or other damage visible?	Yes	No
5.	Is there storm water accumulation greater than 1 foot?	Yes	MO
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	Ne
	If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	NO.
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	(Yes	No	Nes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	es	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	Nox
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 9 Oil temperature	_	, °F	83	°F	84	°F

Date	9/6/19	3	Time:		Inspector Initials:	KGH
NOT	ES:					
			Manager immed rough photograp		hese conditions are ol	bserved and thoroughly
					mixers and opening of ved and active washir	decant valves. Notify Site
				_	s to power the mixers in the bottom of the I	in the event of a power Process Tanks.
-	MENTS: cribe all "yes" (answers, a	ny observed dam	nage, any areas	that could not be insp	pected and the reason, etc.)
				- Sec. 198		
-	Mixers	off o	to reduce	weac-		
h4-4-71-0-2000 1-0-		al	1 1-11			

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

KOS FINASE III OQIVI KOOTINE INSPE	CHON PORISI	
Date: 9/7/18 Time: 0905 Inspec	ctor Initials:	KSH
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and	· ·	tainment.
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2. Observe piping in Process Tank secondary containment area.		N
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter	east of Process Tan	ıks.
Flowmeter: 2, 2/2, 190 (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential w	vear and tear.	4
Any leaks, punctures, or other damage visible?	Yes	No
5. Is there storm water accumulation greater than 1 foot?	Yes	No
If Yes, pump storm water into one of the Process Tanks.		7
6. Is there storm water accumulation in equipment pad sumps?:	Yes	No
If Yes, pump storm water into one of the process tanks.		
V 8		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	ves	No*	Yes	No*	res	No*	NA	NA

	T-2	201	T-202		T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(e)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Ves	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No*)	Yes	Ng/*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste NA Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	-	°F	81	, °F	86	°F

Date:	9/7/18	<u>3</u> Tin	ne:		Inspector Init	ials:	KSH	
NOTES	:							
		mentation Man	ager immediately n photographs.	y if any of t	nese conditions	s are ob:	served and	I thoroughly
			res occasional shu tely if this condition					
			connect portable nt solids from con	_				•
COMN	IENTS:							
(Descri	ibe all "yes" a	nswers, any ob	served damage, (any areas	hat could not i	be inspe	cted and t	the reason, etc.)
- N	ixevs	off to	reduce	wea	<u> </u>			
Operat	or Signature:	Tyl	I Ham	u				

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

KAS DHASE III ORM BOLITINE INSDECTION FORM

	ROS FIRSE III OCKA ROOTIAE HAS ECTION TORIAL						
Da	te: 9/8/18 Time: 900 Inspector Initials:	KSH					
PR	OCESS PIPING INSPECTION						
1.	Observe piping between Process Tank secondary containment and FBR secondary	y containment.					
	Any leaks, punctures, damage, bulges visible? Yes*	· (No)					
2.	Observe piping in Process Tank secondary containment area.	6					
	Any leaks, punctures, damage, bulges visible? Yes*	· (N)					
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Proces	s Tanks.					
	Flowmeter: 2, 212, 190 (gallons)						
SEC	CONDARY CONTAINMENT INSPECTION						
4.	Perform 360 perimeter walk to observe liner system for potential wear and tear.	A					
	Any leaks, punctures, or other damage visible?	(No)					
5.	Is there storm water accumulation greater than 1 foot? Yes	No					
	If Yes, pump storm water into one of the Process Tanks.						
6.	Is there storm water accumulation in equipment pad sumps?:	No					
	If Yes, pump storm water into one of the process tanks.						
PRO	DCESS TANKS AND DAY TANK INSPECTION						
7	Perform 360 degree walk around of each tank to inspect for damage or leaks and	lock out of valves:					

	T-201		T-202		T-203		T-204		
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	N	
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	es	No*	NA	NA	
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Ves	No*	NA	NA	

·	_		_			
		T-201		T-202		203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	Ng
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	(Per	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	(es)	No ((es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No*	Yes	No.
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	_	°F	8.	7 °F	87	°F

K05 Pł	HASE III O&M ROUTII	NE INSPECTION FORM	l
Date: 9/8/181	lime:	Inspector Initials:	K4H
NOTES:			
* - Notify Site Implementation M document on this form and throu		of these conditions are obse	rved and thoroughly
** - Active sediment washing req Implementation Manager immed			
Initiate procedures to mobilize ar loss greater than six hours to pre		•	·
COMMENTS:			
(Describe all "yes" answers, any	observed damage, any are	as that could not be inspect	ted and the reason, etc.)
- Mixery off to			
- MIXLUS OF HE	rave wai		32500 MARIA (7.50)

EMERGENCY CONTACTS:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	=
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Hyl J. Hansen

Date:9	19/18	Time:	15	01	-	Inspecto	or Initials	•	KGH
PROCESS PIPING INSPECTION									
1. Observe	Observe piping between Process Tank secondary containment and FBR secondary containment.								
Any lo	eaks, punctures, d	lamage,	bulges v	isible?			Υ	es*	No
2. Observe j	piping in Process T	ank seco	ondary c	ontainm	ent area	•			3
Any le	aks, punctures, d	amage,	bulges v	isible?			Y	es*	(No)
3. Record re	ading on Stabilize	d Lake N	lead Wa	iter (SLM	W) flow	meter ea	st of Pro	cess Tan	ks.
Flowr	neter: Z, ZI	2,21	0	_ (gallon	s)				
SECONDARY (CONTAINMENT IN	ISPECTIO	NC		30.				
4. Perform 3	60 perimeter wal	k to obs	erve line	r system	for pote	ntial wea	ar and te	ar.	0
Any le	aks, punctures, o	r other c	lamage v	visible?			Υ	es	Nd
5. Is there st	orm water accum	ulation (greater t	han 1 fo	ot?		Υ	es	No
If Yes,	pump storm wat	er into o	ne of th	e Proces	s Tanks.				
6. Is there st	orm water accum	ulation i	n equipr	nent pac	sumps?	:	Υ	es	No
If Yes,	pump storm water	er into o	ne of the	e proces	s tanks.				
PROCESS TAN	KS AND DAY TAN	K-INSPE	CTION-						
	60 degree walk ar			nk to insi	pect for	damage o	or leaks a	ind lock	out of valves:
					0:		1		1
			17-2	201	T-	202	T-2	203	T-204
Visible dama	ge or leaks/stains	?	Vac*		Vac*		Voc*	(No)	Voc*

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

· · · · · · · · · · · · · · · · · · ·	and the second second second				La Company	
	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	No
las routine wash down of precipitate/crystals on tank ides and mixer impeller been completed?		No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature Oil temperature		°F	112	_ °F	100	j °F

Date: 9/9/18 Time: Inspector Initials: <u>KSH</u>
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Miters off to reduce when.
2012

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: 9/10/18 Time: 1025 Inspector Initi	als: K	SH
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec	ondary contair	iment.
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2.	Observe piping in Process Tank secondary containment area.		0
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of I	rocess Tanks.	
	Flowmeter: 2, 219, 980 (gallons)		
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	\bigcirc
	Any leaks, punctures, or other damage visible?	Yes	No
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.		\leq
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	(No)
	If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	Т-2	201	T-202		T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No (Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	(No*)	Yes	Nox
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature96 Oil temperature	-	°F	90	°F	91	°F

Date: _	9/10/18	Time:	Inspector Initials:	KSH
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NOTES:

- * Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
- ** Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.

COMMENTS:

(Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)

Mixeur	s off	to reduc	e wear		
T-201	gear bex	under	repair.		- 35
	0				
				1 100	

gled Hann

Operator Signature:

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	ite: 9/11/19 Time: 1206 Inspector	r Initials:	RSH
DE	OCESS PIPING INSPECTION		
F			
1.	Observe piping between Process Tank secondary containment and FB	R secondary con	tainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	do
2.	Observe piping in Process Tank secondary containment area.		2
	Any leaks, punctures, damage, bulges visible?	Yes*	(No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas	st of Process Tan	ks.
	Flowmeter: 2,219,980 (gallons)		
c E	CONDARY CONTAINMENT INCRECTION		
5t	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wea	r and tear.	
	Any leaks, punctures, or other damage visible?	Yes	No
5.	is there storm water accumulation greater than 1 foot?	Yes	No
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No
	If Yes, pump storm water into one of the process tanks.		
DD	OCESS TANKS AND DAY TANK INSPECTION		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	(No)	Yes*	No	Yes*	No	Yes*	(Ng
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA .	NA

or modern majoration many tap ar additional rations							
	T-2	201	T-202		T-2	203	
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No	
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No	
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Ves	No	Yes	No	es	No	
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No*	
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*	
Ambient air temperatureOil temperature	_	- °F	94	°F	95	°F	

Date: _	9/11/4	<u>18</u> Tir	ne:		Inspector Initials	s:	KGH	_
NOTES:								
			ager immediate n photographs.	ely if any of th	nese conditions ar	e obs	erved and thoro	oughly
					nixers and openin red and active wa			
			•	_	to power the min in the bottom of t			power
COMME	NTS:							
(Describ	e all "yes" an	swers, any ob	served damage	e, any areas t	hat could not be	inspe	cted and the red	ason, etc.)
- M	ixery	off to	redou	wear	•			
Operato	or Signature: _	off.	S. Han	un	• 0		•	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Inspector Initials: KSH

Date: 9/12/14 Time: 1006 Inspector	Initials:K	SH
PROCESS PIPING INSPECTION		
Observe piping between Process Tank secondary containment and FBF Anythology and the secondary containment and FBF	·	ainment.
Any leaks, punctures, damage, bulges visible?	Yes*	(NO
2. Observe piping in Process Tank secondary containment area.	+	B
Any leaks, punctures, damage, bulges visible?	Yes*	(Nø
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas	t of Process Tanl	ks.
Flowmeter: $\frac{2,219,980}{}$ (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear	and tear.	2
Any leaks, punctures, or other damage visible?	Yes	No
5. Is there storm water accumulation greater than 1 foot?	Yes	(No
If Yes, pump storm water into one of the Process Tanks.		2
6. Is there storm water accumulation in equipment pad sumps?:	Yes	(Na
If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

Date: 8/12/11

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	es	No*	Yes	No*	NA	NA

	T-201		T-202		T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	(Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	(es)	No
Mixer running and turbulence/vortex observed?**		No*	Yes	No*	Yes	NOT
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	_	⊸ °F	10) °F	88	°F

Date: _	9/12/18	Time:	Insp	ector Initials:	K911
NOTES:	i.				
	fy Site Implementatio ent on this form and t			conditions are obs	erved and thoroughly
	ive sediment washing entation Manager im				ecant valves. Notify Site is not occurring.
	procedures to mobilizater than six hours to	•			the event of a power ocess Tanks.
COMME	ENTS:				
(Describ	pe all "yes" answers,	any observed damag	e, any areas that c	ould not be inspec	cted and the reason, etc.)
-M	ixurs oft -	to reduce w	ear		
Operato	or Signature:	de S. Han	m		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	0.5
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 9/13/18 Time: 0835 Inspector Initial	is: <u>KSH</u>
PROCESS PIPING INSPECTION	
1. Observe piping between Process Tank secondary containment and FBR secondary	ndary containment.
Any leaks, punctures, damage, bulges visible?	Yes* No
2. Observe piping in Process Tank secondary containment area.	
Any leaks, punctures, damage, bulges visible?	Yes* Ng
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Pr	ocess Tanks.
Flowmeter: 2, 219, 980 (gallons)	
SECONDARY CONTAINMENT INSPECTION	
4. Perform 360 perimeter walk to observe liner system for potential wear and t	ear.
Any leaks, punctures, or other damage visible?	Yes No
5. Is there storm water accumulation greater than 1 foot?	Yes (%)
If Yes, pump storm water into one of the Process Tanks.	
6. Is there storm water accumulation in equipment pad sumps?:	Yes No
If Yes, pump storm water into one of the process tanks.	
PROCESS TANKS AND DAY TANK INSPECTION	

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	202	T-2	203	T-2	204
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(No)	Yes*	(No)	Yes*	W
All decant valves and transfer valves locked out?**	Yes	No*	(es)	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	No)	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	res	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No ((e)	No
Mixer running and turbulence/vortex observed?**		No*	Yes	No*	Yes	NO
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature <u>95</u> Oil temperature	, -	°F	87	7 °F	86	°F

RUS PHASE III O&IVI ROOTINE INSPECTION FORIVI
Date: 4/13/14 Time: Inspector Initials: KSH
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS:
(Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixery off to reduce wear

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te:	KSH
PR	OCESS PIPING INSPECTION	
1.	Observe piping between Process Tank secondary containment and FBR secondary	containment.
	Any leaks, punctures, damage, bulges visible? Yes*	No
2.	Observe piping in Process Tank secondary containment area.	<u>a</u>
	Any leaks, punctures, damage, bulges visible? Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process	Tanks.
	Flowmeter: 2, 274, 420 (gallons)	
SEC	CONDARY CONTAINMENT INSPECTION	
4.	Perform 360 perimeter walk to observe liner system for potential wear and tear.	
	Any leaks, punctures, or other damage visible?	No
5.	Is there storm water accumulation greater than 1 foot? Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.	
6.	Is there storm water accumulation in equipment pad sumps?:	No
	If Yes, pump storm water into one of the process tanks.	
PRO	DCESS TANKS AND DAY TANK INSPECTION	

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

		T-201		T-202		203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	res	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**		(No*)	Yes	No*	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 97 Oil temperature	_	°F	80	°F	84	°F

Date: _	9/14/18	Time:	Inspector Initials:	KSH
NOTES:				
				erved and thoroughly
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs. ** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Si Implementation Manager immediately if this condition is observed and active washing is not occurring. Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks. COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, e	·			
		, any observed da	mage, any areas that could not be inspe	cted and the reason, etc.)
- M;	kus off 1	e seduce	wlav.	
1		JE7		
Operato	r Signature:	gled. He	avsu	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>7/15//6</u> Time: <u>1804</u> Inspector Init	ials:	5H
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR sec	ondary contain	ment.
	Any leaks, punctures, damage, bulges visible?	Yes*	No
2.	Observe piping in Process Tank secondary containment area.		7
	Any leaks, punctures, damage, bulges visible?	Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of	Process Tanks.	
	Flowmeter: $2,226,420$ (gallons)		
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	l tear.	7.7.
	Any leaks, punctures, or other damage visible?	Yes	Ne
5.	Is there storm water accumulation greater than 1 foot?	Yes	No
	If Yes, pump storm water into one of the Process Tanks.		1
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No

PROCESS TANKS AND DAY-TANK INSPECTION-

If Yes, pump storm water into one of the process tanks.

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	69	Yes*	No	Yes*	(No.)	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	(e)	No*	(Yes)	No*	NA	NA

	T-201		T-202		T-203	
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	(es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	es	No
Mixer running and turbulence/vortex observed?**		No*	Yes	No	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 0 Oil temperature	_	- °F	10	3 °F	101	°F

Date: _	9/15/18	Time:	Inspector Initials: _	K4H
NOTES:				
		-		bserved and thoroughly
	•	•	_ ,	•
		, any observed dama	ge, any areas that could not be insp	pected and the reason, etc.)
MI				
Operato		lyle S. Ha	ns.	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: 9/16/18 Time: 0700 Inspector In	nitials:	KGH
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR s	secondary co	ntainment.
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	(No.)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east	of Process Ta	nks.
	Flowmeter: 2,226, 470 (gallons)		
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear a	and tear.	
	Any leaks, punctures, or other damage visible?	Yes	(No)
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	(Ato)
	If Yes, numn storm water into one of the process tanks		

PROCESS TANKS AND DAY-TANK-INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	6
All decant valves and transfer valves locked out?**	Yes	No*	(Yes)	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Ves	No*	NA	NA

	T-2	T-201		202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	No	Yes*	NO
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(Yes)	No	res	No	(es)	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	(40 <i>y</i>)	Yes	(Me)*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u> </u>		°F	80	7 °f	81	°F

Date: _	9/10/18	Time:	Inspector Initials:	KSH
NOTES:	•			
		on Manager immediately it hrough photographs.	fany of these conditions are ol	oserved and thoroughly
			down of mixers and opening of is observed and active washing	
			enerators to power the mixers olidating in the bottom of the R	
COMME (Describ		any observed damage, ar	ny areas that could not be insp	pected and the reason, etc.)
~ M	1449 of 5	to reduce	wlav	
Operato	or Signature:	gl S. Haus	un_	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	£27
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

KAS DHASE III ORM DOLITINE INSDECTION FORM

ROS FIRSE III OQIVI ROOTIIVE IVSFECTION	FORIVI	
Date: 9/17/19 Time: 0755 Inspector Initial	ls:	4 H
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBR secondary leaks, punctures, damage, bulges visible?	ndary containr Yes*	nent.
Observe piping in Process Tank secondary containment area.	103	
Any leaks, punctures, damage, bulges visible?	Yes*	(NQ)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Pr Flowmeter: 2, 2 26, 420 (gallons)	ocess Tanks.	
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear and to	ear.	
Any leaks, punctures, or other damage visible?	Yes	(No)
5. Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks.	Yes	(No)
5. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.	Yes	(Ng)

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201 T-202		T-203		T-204			
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203_
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	(es)	No	(e)	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	No*	Yes	(Nad
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>§ 5</u> Oil temperature	-	°F	8.	Z °F	83	°F

Date: _	9/17/18	Time:		Inspector Initials:	KGH	
NOTES						
		ntation Manager immed and through photograp		ese conditions are o	bserved and thore	oughly
		ashing requires occasion ser immediately if this c				
		nobilize and connect po urs to prevent solids fro	- 0.	*		power
COMM	IENTS:					
(Descri	be all "yes" ansu	vers, any observed dan	nage, any areas t	hat could not be insp	ected and the re	ason, etc.)
M	ixus off	to reduce u	vlov			
Onerat	or Signature:	Hale S. A.	audu	a.	-	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	Date: 4/18/18 Time: 0822 Inspector Initials:							1511	
PR	PROCESS PIPING INSPECTION								
Observe piping between Process Tank secondary containment and FBR secondary containment and							•	tainmen	t. (7)
2.		ondary c	ontainm	ent area.		Y	es*	N	
3.	3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 2,233,6(5 (gallons)								
SEC	ONDARY CONTAINMENT INSPECTION	NC							
4.	Perform 360 perimeter walk to obs Any leaks, punctures, or other of		•	for pote	ntial we		ar. es	No	
5.	Is there storm water accumulation of the storm water into o	_				Y	es	(N))
6.	Is there storm water accumulation in If Yes, pump storm water into o		•		:	Y	e 5	N)
PRC	CESS TANKS AND DAY TANK INSPE	CTION-			V				
7.	Perform 360 degree walk around of	each tar	nk to insp	pect for o	damage o	or leaks a	nd lock	out of va	lves:
	T-201 T-202 T-203						203	T-2	204
	ible damage or leaks/stains? spect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	No
	decant valves and transfer valves ked out?**	Yes	No*	Ves	No*	(es)	No*	NA	NA

8. Visual inspection from top of each Process Tank:

Are transfer pumps ready for

service?

	T-201		T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	(6)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	(Yes)	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>83</u> Oil temperature	_	°F	8	O °F	91	°F

No*

NA

NA

Date:	9/18/	18	Time:		Inspector Initials:	K4H
NOTES	i:					
			ion Manager immo through photogra		these conditions are ob	oserved and thoroughly
					f mixers and opening of erved and active washin	decant valves. Notify Site g is not occurring.
	-		•	-	ors to power the mixers g in the bottom of the F	in the event of a power Process Tanks.
COMM	IENTS:					
(Descri	be all "yes	" answers	, any observed da	ımage, any area	s that could not be insp	ected and the reason, etc.)
- M	iters	off	to reduce	wew		
	1000,000					
Operat	or Signatuı	re: 12	le l. Ha	se.	_	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	ite: 9/19/18 Time: 1555 Inspector Initials:	KSH
PR	OCESS PIPING INSPECTION	
1.	Observe piping between Process Tank secondary containment and FBR	ontainment.
2.	Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes*	No
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Ta Flowmeter: 7, 233, 620 (gallons)	anks.
SEC	CONDARY CONTAINMENT INSPECTION	
4.	Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes	No
5.	Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks.	M
6.	Is there storm water accumulation in equipment pad sumps?: Yes If Yes, pump storm water into one of the process tanks.	No
PR	OCESS TANKS AND DAY TANK INSPECTION	
7.	Perform 360 degree walk around of each tank to inspect for damage or leaks and loc	k out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	
All decant valves and transfer valves locked out?**	Ves	No*	es	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	(ves	No*	Yes	No*	(ves)	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	(Ng	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	ves	No	Ves	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	(es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(10*)	Yes	(NP+
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 102 Oil temperature		°F	.10	4°F	16	Z °F

Date:	9/19/18	Time:	Inspector Initials:	KSH
NOTES:				
		ntation Manager immed and through photograp	liately if any of these conditions are ol hs.	oserved and thoroughly
			al shutdown of mixers and opening of pondition is observed and active washing	
		*	rtable generators to power the mixers m consolidating in the bottom of the I	· · · · · · · · · · · · · · · · · · ·
COMME Describ		vers, any observed dam	nage, any areas that could not be insp	pected and the reason, etc.)
N	kas off	- to reduce a	reac	
Operato	r Signature:	Kyl S. Har	us.	1

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	21
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date	e: <u>9/20/18</u> Time: <u>0655</u> Inspector Initials:	KGH								
PRO	PROCESS PIPING INSPECTION									
1.	Observe piping between Process Tank secondary containment and FBR secondary containment.									
	Any leaks, punctures, damage, bulges visible? Yes*	(No')								
2.	. Observe piping in Process Tank secondary containment area.									
	Any leaks, punctures, damage, bulges visible? Yes*	(Nø								
3. 1	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process T	anks.								
	Flowmeter: 2,233,620 (gallons)									
SECO	ONDARY CONTAINMENT INSPECTION									
4.	Perform 360 perimeter walk to observe liner system for potential wear and tear.									
	Any leaks, punctures, or other damage visible? Yes	(No)								
5. I	Is there storm water accumulation greater than 1 foot? Yes	(Ng)								
	If Yes, pump storm water into one of the Process Tanks.									
6. 1	s there storm water accumulation in equipment pad sumps?: Yes	(Ne								
	If Yes, pump storm water into one of the process tanks.									
PRO	CESS TANKS AND DAY TANK INSPECTION									
7. F	Perform 360 degree walk around of each tank to inspect for damage or leaks and loc	k out of valves:								
	7.004									

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	(No)	Yes*	No	Yes*	M 0)	Yes*	₩
All decant valves and transfer valves locked out?**	(res	No*	(Ye)	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	(Yes)	No*	Yes	No*	(Yes)	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	(Yes)	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	(Vo*)	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureO Oil temperature	10	g °F	7	°F	71	°F

Date:	1/20/	18	Time	å		Inspecto	r Initials:	KGH	<u> </u>
NOTES:									
				er immediat hotographs.	ely if any of	these cond	itions are ob:	served and t	:horoughly
							l opening of o		es. Notify Site rring.
				*	-	•	r the mixers i tom of the Pr		•
COMMEN	NTS:								
(Describe	all "yes" (answers, a	ny obse	rved damag	e, any area:	that could	not be inspe	cted and th	e reason, etc.)
-Mi	Llis	off	to	reduce	Wear				
	-								30. 75. 76. 30.77 (mm2) \$ 11
Operator	Signature	That	2.1.	Hans				5	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>9/2/ (4</u> Time: _	098	0		Inspecto	r Initials:		KSH				
PR	OCESS PIPING INSPECTION											
1.	Observe piping between Process Ta	nk secor	ndary co	ntainmer	nt and FB	R second	lary con	tainment				
	Any leaks, punctures, damage, bulges visible? Yes*											
2.	Observe piping in Process Tank seco			7								
	Any leaks, punctures, damage,	_					es*	(N	2			
3.												
	Flowmeter: 2, 241 49	0	gallon	s)								
SEC	ONDARY CONTAINMENT INSPECTIO	ON										
4.	Perform 360 perimeter walk to obse	erve line	r system	for pote	ntial wea	ar and tea	ar.		9			
	Any leaks, punctures, or other c	lamage v	isible?			Ye	2 5	(No				
5.	Is there storm water accumulation g	greater t	reater than 1 foot?					(No)			
	If Yes, pump storm water into o	ne of the	Process	Tanks.				7	1			
6.	Is there storm water accumulation i	n equipn	nent pad	sumps?	•	Ye	25	(No	·)			
	If Yes, pump storm water into o	ne of the	process	tanks.								
PRO	DCESS TANKS-AND DAY-TANK-INSPE	CTION-			<u> </u>							
7.	Perform 360 degree walk around of	each tar	nk to insp	ect for o	lamage o	or leaks a	nd lock	out of va	lves:			
	X.	T-2	201	T-2	202	T-2	03	T-2	04			
Vis	sible damage or leaks/stains?	Yes*	(No)	Yes*	No	Yes*	No)	Yes*	(No			

15 F.	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No)	Yes*	Gió
All decant valves and transfer valves locked out?**	Ves	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	(les	No*	Yes	No*	res	No*	NA	NA

s. visual inspection from top of catin frocess fank.						
	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(Ng)	Yes*	(No)	Yes*	No
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Pes	No	Yes	No	(Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(Not	Yes	(No)	Yes	(No)*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature Oil temperature	71	a °F	7	5 °F	77	°F

Date:	9/21/18	Time:	Inspec	tor Initials:	KLH
NOTES:					
		tion Manager immedi d through photograph	ately if any of these cor s.	nditions are obse	rved and thoroughly
			Il shutdown of mixers a ndition is observed and		ecant valves. Notify Site s not occurring.
		•	able generators to pow consolidating in the b		•
СОММЕ	NTS:				
(Describe	e all "yes" answer	s, any observed dame	nge, any areas that cou	ld not be inspec	ted and the reason, etc.)
- M1	furs off	to reduce a	vear		
					- 103 S
III			:44		
		1			

Operator Signature: Ryle S. Henre

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 9/22/18 Time:	07	700		Inspecto	r Initials	·	K	-4
PROCESS PIPING INSPECTION								
1. Observe piping between Process Ta	ınk secoi	ndary coi	ntainmer	it and F8	R secon	dary con	tainmen	t.
Any leaks, punctures, damage,	bulges vi	isible?			Υ	es*	(N	9
2. Observe piping in Process Tank second	ondary c	ontainm	ent area.					?
Any leaks, punctures, damage,	bulges vi	sible?			Y	es*	(h	9)
3. Record reading on Stabilized Lake N	∕lead Wa	ter (SLM	W) flowr	neter ea	st of Pro	cess Tan	ks.	
Flowmeter: 7, 241, 49	0	_ (gallon	s)					
SECONDARY CONTAINMENT INSPECTIO	ON							
4. Perform 360 perimeter walk to obse	erve line	r system	for pote	ntial wea	r and te	ar.		-
Any leaks, punctures, or other of	lamage v	/isible?			Υ	es	(No)	
5. Is there storm water accumulation g	greater t	han 1 foo	ot?		Υ	es	(No)	
If Yes, pump storm water into o	ne of the	e Process	Tanks.				ć	9
6. Is there storm water accumulation i	n equipr	nent pad	sumps?	:	Υ	es	(No	7
If Yes, pump storm water into o	ne of the	process	tanks.					
PROCESS TANKS AND DAY TANK INSPE	CTION-							
7. Perform 360 degree walk around of	each tai	nk to insp	ect for d	lamage c	or leaks a	ind lock	out of va	lves:
	T-2	201	T-2	.02	T-2	203	T-2	204
Visible damage or leaks/stains?	Yes*	(No)	Yes*	(ely	Yes*	(No)	Yes*	(A)
(inspect all welds and nozzles/valves)		W			163		163	
All decent valves and transfer valves	1				1			

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	(10)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	(Yes)	No*	NA	NA
Are transfer pumps ready for service?	ves	No*	Yes	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-203	
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	(40
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	(Yes	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No (Ves	No	(es	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	No	Yes	Ne*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	75	°F	7	γ °F	75	°F

Date:	9/22	<u>/ce</u>	Time:		Inspector Initials:	Katl
NOTES	; ·					
			ion Manager imme I through photogra		these conditions are ob	served and thoroughly
					mixers and opening of rved and active washing	decant valves. Notify Site g is not occurring.
					rs to power the mixers g in the bottom of the P	in the event of a power Process Tanks.
сомм	IENTS:					
(Descri	be all "yes"	'answers	, any observed da	mage, any areas	that could not be insp	ected and the reason, etc.)
M	Here	eA.	to reduc	e wew		
Rap	10-35					
Operat	or Signatur	: <u> </u>	yle S. H.	euen	_	,

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	-
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: 7/25/18 Time: 0915 Inspecto	r Initials:	- 5 H							
PR	OCESS PIPING INSPECTION									
1.	Observe piping between Process Tank secondary containment and FB	R secondary cont	ainment.							
	Any leaks, punctures, damage, bulges visible?	Yes*	(No							
2.	2. Observe piping in Process Tank secondary containment area.									
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)							
3.	3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.									
	Flowmeter: 2,24(,490 (gallons)									
SE	CONDARY CONTAINMENT INSPECTION									
4.	Perform 360 perimeter walk to observe liner system for potential wea	ir and tear.								
	Any leaks, punctures, or other damage visible?	Yes	(No)							
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)							
	If Yes, pump storm water into one of the Process Tanks.									
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	No							
	If Yes, pump storm water into one of the process tanks.									

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-2	.02	T-2	203	T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	€ 0	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	es	No*	res	No*	" NA	NA

	T-2	201	T-2	202	T-203	
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(6)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	Yes	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	(No*)	Yes	No
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste NA Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature69 Oil temperature	8	Z °F	41	°F	્ર	ን °F

Date:	9/23/	18	Tir	ne:			Inspect	or Initials	s:	K	911	
NOTES:	•											
	/ Site Impl nt on this f				ediately if ar aphs.	ny of th	nese con	ditions ar	e obser	ved and	d thoroughl	ly
					onal shutdov condition is							Site
					ortable gene rom consolic		-				•	er
COMMEI (Describe		answers,	any ol	oserved do	ımage, any ı	areas t	that coul	d not be	inspecte	ed and	the reason,	. etc.)
- Mi	cers	off	to	reduce	wear							
										<u>-</u> .		
Operator	Signature	: 7l	lix	1. Ho	men	-	-					

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>9/24/18</u> Time: <u>1415</u> Inspector Initia	als: K9	4
PR	OCESS PIPING INSPECTION		
1.	Observe piping between Process Tank secondary containment and FBR secondary	ondary contain	ment.
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2.	Observe piping in Process Tank secondary containment area.		
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P	rocess Tanks.	
	Flowmeter: <u>7,241,520</u> (gallons)		
SEC	CONDARY CONTAINMENT INSPECTION		
4.	Perform 360 perimeter walk to observe liner system for potential wear and	tear.	
	Any leaks, punctures, or other damage visible?	Yes	(No
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)
	If Yes, pump storm water into one of the Process Tanks.		
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	(No)

PROCESS TANKS AND DAY-TANK-INSPECTION

If Yes, pump storm water into one of the process tanks.

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No)	Yes*	No	Yes*	100
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	(Yes)	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No)	Yes*	(No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	ves	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yea	No	Yes	No
Mixer running and turbulence/vortex observed?**	Yes	No*)	Yes	No*	Yes	(4o*)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature9 Oil temperature	10	O °F	10	3 °F	10	<i>o</i> °F

K05 PHASE	III O S. NA	DOLITIME	INICOECTION	LEODA
NUD PHASE	III UQIVI	KUUIINE	HASEL HOL	I FURIV

, KOSTINSE III OGIVI KOOTINE INSPECTION FORM
Date: 9/24/18 Time: Inspector Initials: KGH
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.
Initiate procedures to mobilize and connect portable generators to power the mixers in the event of a power loss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: (Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- Mixer's off to reduce wear.

	2/21	11
Operator Signature: _	Tylis.	Hans

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	0
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 9/25/18 Time: 09/8 Inspector	Initials:	14911
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBR	l secondary co	ontainment
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2. Observe piping in Process Tank secondary containment area.		A
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east	t of Process Ta	anks.
Flowmeter: 2,248,000 (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear	and tear.	
Any leaks, punctures, or other damage visible?	Yes	(No)
5. Is there storm water accumulation greater than 1 foot?	Yes	6
If Yes, pump storm water into one of the Process Tanks.		_
6. Is there storm water accumulation in equipment pad sumps?:	Yes	No
If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-2	201	T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	(No)	Yes*	(10)
All decant valves and transfer valves locked out?**	(Yes)	No*	(es)	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	(Yes)	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	(No	Yes*	No)	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	(es)	No
Mixer running and turbulence/vortex observed?**	Yes	(No*)	Yes	(No*)	Yes	(lo*)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature <u>§ 3</u> Oil temperature	B	5° °F	ક	Z °F	84	°F

Date:	7/25/1	8	Time:		Inspector Initials:	KGH	
NOTES	i :						
			n Manager immed hrough photograp		hese conditions are o	observed and thor	oughly
					mixers and opening oved and active wash		
					s to power the mixer in the bottom of the		3 power
COMM (Descri		answers,	any observed dan	mage, any areas	that could not be ins	spected and the re	eason, etc.)
- M	ikers	off.	to reduce	wear.			
		al	0126				

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 9/26/18 Time: 1425 Inspector II	nitials:	KSH
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBR s	secondary conti	ainment.
Any leaks, punctures, damage, bulges visible?	Yes*	No
2. Observe piping in Process Tank secondary containment area.		
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east	of Process Tank	s.
Flowmeter: $\frac{2,248,000}{}$ (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear a	ind tear.	<i>a</i>
Any leaks, punctures, or other damage visible?	Yes	(No)
5. Is there storm water accumulation greater than 1 foot?	Yes	(No)
If Yes, pump storm water into one of the Process Tanks.		
6. Is there storm water accumulation in equipment pad sumps?:	Yes	(No)
If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No)	Yes*	6
All decant valves and transfer valves locked out?**	Ves	No*	Yes	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	(res)	No*	Yes	No*	NA	NA

	T-2	201	T-2	202	T-2	203
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	CNO
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	/es	No	Æs.	No	(es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	(es)	No	yes	No	(Jes	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	(No*	Yes	(Not
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperatureOil temperature	94	′°F	70	7°F	95	°F

Date: _	9/26/18	Time:	Inspe	ctor Initials:	K41	
NOTES	•					
		tation Manager immedia and through photographs		nditions are ob	served and thoroughly	
		shing requires occasional er immediately if this con			decant valves. Notify Site is not occurring.	
		obilize and connect porta rs to prevent solids from				
COMM (Descril		ers, any observed dama	ge, any areas that col	uld not be inspe	ected and the reason, etc.)
- Rul	Mixery) when mittenfly	Lo reduce	wear o	n bearinge	_
Operato	or Signature:	Kl.S. Hans	u		and delaked delaked delaked and an estimated at the estim	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Date: 9/27/18 Time: 1058 Inspector Initia	als: <u> </u>	ell
PROCESS PIPING INSPECTION		
1. Observe piping between Process Tank secondary containment and FBR secondary	ondary contain	ment
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
2. Observe piping in Process Tank secondary containment area.		
Any leaks, punctures, damage, bulges visible?	Yes*	(No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P	rocess Tanks.	
Flowmeter: 2,248,000 (gallons)		
SECONDARY CONTAINMENT INSPECTION		
4. Perform 360 perimeter walk to observe liner system for potential wear and	tear.	0
Any leaks, punctures, or other damage visible?	Yes	(No)
5. Is there storm water accumulation greater than 1 foot?	Yes	(No)
If Yes, pump storm water into one of the Process Tanks.		
6. Is there storm water accumulation in equipment pad sumps?:	Yes	(Na)
If Yes, pump storm water into one of the process tanks.		

PROCESS TANKS-AND DAY-TANK-INSPECTION-

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(vo)	Yes*	160	Yes*	(10)
All decant valves and transfer valves locked out?**	Yes	No*	es	No*	(Yes)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Yes	No*	NA	NA

	J-201		T-202		T-203	
Visible oil leaks from gear box?	(es*)	(AS)	Yes*	NO	Yes*	(N)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	res	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	res	No	es	No
Mixer running and turbulence/vortex observed?**	Yes	No*)	Yes	(No*)	Yes	(Ng)
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 90 Oil temperature	9	O °F	88	°F	9	/ °F

Date: _	9/2	1/18	Time:		Inspector	· Initials:	KGH	
NOTES	:							
			on Manager imr through photog	nediately if any or raphs.	of these condi	tions are ob	served and tho	roughly
				sional shutdown s condition is ob				
	-			portable genera from consolidati	-			a power
сомм	ENTS:							
(Descrii	be all "yes	s" answers,	any observed a	lamage, any are	as that could	not be insp	ected and the r	reason, etc.)
- M	ixerg	off	ruter mill	ently to	reduce	weap	,	
- 9	ила((leak	on +-	ently to 201 glan	, box,	CCC	contact	tel
Operato	or Signatu	re:	gl. J. Ho	ine				

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	27
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	te: <u>9/28/18</u> Time: <u>6925</u> Inspector Initials:	KGH
	OCESS PIPING INSPECTION	
1.	Observe piping between Process Tank secondary containment and FBR secondary	ry containment.
	Any leaks, punctures, damage, bulges visible?	s* (No)
2.	Observe piping in Process Tank secondary containment area.	4
	Any leaks, punctures, damage, bulges visible?	;* (No)
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Proce	ess Tanks.
	Flowmeter: 2,256,005 (gallons)	
SEC	CONDARY CONTAINMENT INSPECTION	
4.	Perform 360 perimeter walk to observe liner system for potential wear and tear	
	Any leaks, punctures, or other damage visible?	; (No)
5.	Is there storm water accumulation greater than 1 foot?	(Ng)
	If Yes, pump storm water into one of the Process Tanks.	
6.	Is there storm water accumulation in equipment pad sumps?:	(No)
	If Yes, pump storm water into one of the process tanks.	
DD.	SCECC TABLES AND DAY TABLE INCOCCTION	

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves:

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	(No)	Yes*	No	Yes*	(Ne)
All decant valves and transfer valves locked out?**	Yes	No*	Yes	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	(Yes)	No*	Yes	No*	Ves	No*	NA	NA

	T-201		T-202		T-2	203
Visible oil leaks from gear box?	Yes*	> No	Yes*	No	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	res	No	Ves	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	Yes	No	Yes	No	es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	(No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 80 Oil temperature	7	7 °F	7	8°F	78	°F

Date: 9/28/18 Time: Inspector Initials: KSH
NOTES:
* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.
** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site mplementation Manager immediately if this condition is observed and active washing is not occurring.
nitiate procedures to mobilize and connect portable generators to power the mixers in the event of a power oss greater than six hours to prevent solids from consolidating in the bottom of the Process Tanks.
COMMENTS: Describe all "yes" answers, any observed damage, any areas that could not be inspected and the reason, etc.)
- T-201 has small geen box leak, CCC vizited 5%
- T-201 has small geen box leak, CCL vizited 5:6 - Mixery run intermitently to reduce war
Operator Signature: 7/yle S. Hausen

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

, , , , , , , , , , , , , , , , , , ,												
: 9/29/18 Time:	0636	Inspecto	r Initials:	KGH								
PROCESS PIPING INSPECTION												
bserve piping between Process T	ank secondary co	ntainment and FE	IR secondary co	ntainment.								
Any leaks, punctures, damage,	bulges visible?		Yes*	(No)								
2. Observe piping in Process Tank secondary containment area.												
Any leaks, punctures, damage,	bulges visible?		Yes*	(Ng)								
ecord reading on Stabilized Lake N	Mead Water (SLM	W) flowmeter ea	st of Process Tai	nks.								
Flowmeter: 2,254,00	<u> </u>	s)										
NDARY CONTAINMENT INSPECTI	ON											
erform 360 perimeter walk to obs	erve liner system	for potential wea	ar and tear.	m								
Any leaks, punctures, or other	damage visible?		Yes	(No)								
there storm water accumulation	greater than 1 foo	ot?	Yes	(No)								
If Yes, pump storm water into o	one of the Process	Tanks.										
there storm water accumulation	in equipment pad	l sumps?:	Yes	(No)								
If Yes, pump storm water into c	ne of the process	tanks.										
ESS TANKS AND DAY TANK INSPE	CTION											
erform 360 degree walk around of	each tank to insp	ect for damage o	or leaks and lock	out of valves:								
	T-201	T-202	T-203	T-204								
	CESS PIPING INSPECTION Observe piping between Process Tank any leaks, punctures, damage, observe piping in Process Tank sect Any leaks, punctures, damage, ecord reading on Stabilized Lake of Flowmeter: 2,256,00 NDARY CONTAINMENT INSPECTION Any leaks, punctures, or other of there storm water accumulation of Yes, pump storm water into content of Yes, pump storm water into the Yes,	Disserve piping between Process Tank secondary containment of the Process Tanks Any leaks, punctures, damage, bulges visible? The Process Tanks Tank Tank Tanks T	Disserve piping between Process Tank secondary containment and FE Any leaks, punctures, damage, bulges visible? Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? ecord reading on Stabilized Lake Mead Water (SLMW) flowmeter ea Flowmeter: 2,256,005 (gallons) NDARY CONTAINMENT INSPECTION erform 360 perimeter walk to observe liner system for potential weak Any leaks, punctures, or other damage visible? there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. ESS TANKS AND DAY TANK INSPECTION erform 360 degree walk around of each tank to inspect for damage of the process.	Deserve piping between Process Tank secondary containment and FBR secondary containment and FBR secondary containment and FBR secondary containment area. Any leaks, punctures, damage, bulges visible? Any leaks, punctures, damage, bulges visible? Perform 360 degree walk around of each tank to inspect for damage or leaks and lock Process Tanks secondary containment area. Any leaks, punctures, damage, bulges visible? Yes* Yes Yes								

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	(No)
All decant valves and transfer valves locked out?**	Yes	No*	(Ve)	No*	(es)	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	es	No*	(es)	No*	NA	NA **

	Т-2	201	T-2	202	T-203	
Visible oil leaks from gear box?	Yes*	No	Yes*	(No)	Yes*	(NO),
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?	Yes	No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.	res	No	(es)	No	es	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature 79 Oil temperature	8	ſ °F	8	Ø °F	8	°F

Date: _	9/29/18	Time:		Inspector Initials:	KSH
NOTES	:				
		ntation Manager imm and through photogr		hese conditions are obs	erved and thoroughly
				mixers and opening of c ved and active washing	decant valves. Notify Site is not occurring.
				s to power the mixers in the bottom of the Pr	
COMM (Descri		vers, any observed de	amage, any areas	that could not be inspe	cted and the reason, etc.)
- N	lixery (un intermi	Herelly,		
- 4	-201 16	un interni-	air. adviseu	rent.	
Operato	or Signature:	Kyld.	Hausn		

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Da	ite: <u>9/30/14</u> Time: <u>0655</u> Inspector Ini	tials:	KGH									
PR	OCESS PIPING INSPECTION											
1.	Observe piping between Process Tank secondary containment and FBR se	condary cont	ainment.									
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)									
2.	2. Observe piping in Process Tank secondary containment area.											
	Any leaks, punctures, damage, bulges visible?	Yes*	(No)									
3.	Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of	Process Tank	ss.									
	Flowmeter: $2,756,005$ (gallons)											
SEC	CONDARY CONTAINMENT INSPECTION											
4.	Perform 360 perimeter walk to observe liner system for potential wear ar	ıd tear.	0									
	Any leaks, punctures, or other damage visible?	Yes	(No)									
5.	Is there storm water accumulation greater than 1 foot?	Yes	(No)									
	If Yes, pump storm water into one of the Process Tanks.											
6.	Is there storm water accumulation in equipment pad sumps?:	Yes	(No.)									
	If Yes, pump storm water into one of the process tanks.											
PRO	OCESS TANKS AND DAY TANK INSPECTION											
7.	Perform 360 degree walk around of each tank to inspect for damage or lea	aks and lock o	ut of valves:									
	T 201	T 202	T 204									

	T-201		T-202		T-203		T-204	
Visible damage or leaks/stains? (inspect all welds and nozzles/valves)	Yes*	No	Yes*	No	Yes*	No	Yes*	No
All decant valves and transfer valves locked out?**	Yes	No*	Ves	No*	Yes	No*	NA	NA
Are transfer pumps ready for service?	Yes	No*	Yes	No*	Ves	No*	NA	NA

*	T-201 T-202		T-203			
Visible oil leaks from gear box?	Yes*	No	Yes*	No	Yes*	(No)
Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed?		No	Yes	No	es	No
Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question.		No	Yes	No	res	No
Mixer running and turbulence/vortex observed?**	Yes	No*	Yes	No*	Yes	(No*
Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan?		No*	Yes	No*	Yes	No*
Ambient air temperature <u>40</u> Oil temperature	80) °F	81	°F	80) °F

Date:	9/30/18	Time:		Inspector Initials:	KGH
NOTES:					
	y Site Implementation nt on this form and th	n Manager immediately prough photographs.	if any of th	ese conditions are ob	served and thoroughly
		requires occasional shu nediately if this conditio			decant valves. Notify Site is not occurring.
		e and connect portable prevent solids from cons			
COMMEI (Describe		ny observed damage, c	any areas t	hat could not be inspe	ected and the reason, etc.)
-11	ixes run	i wern: Heroth	y fe	reduce wear	

- T-201	will	be	rusperted	west	week	bu 1	epair conti	neder.
			,	-		٠		

Operator Signature: Kyl S. Hausen

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

Attachment B Phase III O&M Monthly Inspection Forms

K05 PHASE III O&M MONTHLY INSPECTION FORM

Date: 8/30/2018 Time: 08	300	_	Inspect	or Initia	ls:	/ /\		-
INSPECT MATERIALS AND PARTS								
Are all spare parts present?:					•	Y <u>es</u>		No
If no, list which parts need to be ordered and inform Site Implementation Manager:								
2. Are all safety materials, resources, and sup					(Yes		No
If no, list what needs to be ordered and	d inform	Site Imp	lementa	tion Ma	nager: _			
PUMP OPERATION INSPECTION								
Check if all AODD transfer pumps are in good	od condi	tion and	working	order.	Provide	notes ar	nd conta	ct the
Site Implementation Manager if any repair	s are req	uired:						
P-201 🗸								
P-202								
P-203 /								
P-205								
P-206								
HIGH-HIGH LEVEL ALARMS INSPECTIONS								
4. Check if the high-high level warning alarm :	cyctom ic	in good	conditio	n for on	ch tank	Provide	notes	nd
contact the Site Implementation Manager i	•	_			CII LOIIK.	riovide	. notes a	IIu
	T-2	201	T-2	.02	T-2	203	T-2	204
Check what level the High-High alarm signals — is it consistent with the set points?	Yes	No*	Yes	No*	Yes	No*	(es)	No*
Test reset procedure – were there any issues?	Yes*	(No)	Yes*	No	Yes*	(No	Yes*	No
Are all alarm status lights in good working order?	Yes	No*	Yes	No*	Yes	No*	Yes	No*
Are the shut-off devices in good working order? Yes No* Yes No* Yes No* Yes						No*		
Visible damages to the alarm cords and cables?	Yes*	(No)	Yes*	(No)	Yes*	(No)	Yes*	(No)
Notes:								
	(1) Carry (100)	(1)						

NUO PHASE III ORIVI IVIONI HEL INSPECTION FONIVI

Date: <u>\$ 30 2019</u> Time: <u>0800</u>	Inspecto	r Initials:	8
INSPECT PROCESS TANK MIXERS			
5. Visual inspection from top of each Process Tank:	T-201	T-202	T-203
Is there adequate oil in Process Tank mixer motors?	(Yes) No*	(Yes) No+	(Yes) No*
Control panel mixer run time**	9257.6 hrs	9580.6 hrs	9615. 8 hrs
INSPECT MAINTENANCE ITEMS			
6. Check if equipment requiring maintenance is in good	condition and w	orking order. Pro	vide the date of next
required maintenance and contact the Site Implemen		-	
	Date of	Novt	
	Replacem		
Activity	Mainten		Comments
Replace 3" decant transfer hoses	2/1/20		Commence
Replace 3" solid transfer hoses	3/1/901		
Replace 1.5" SLMW flush hose	12/5/		
Replace 3" stainless steel doublesphere expansion joints			
Replace air compressor filter element	10/16/		
Service air compressor	11/26/		
Change process tank mixer gear box oil**			
Grease gear seals on process tank mixer	1/4/		
Grease Bear Sears on brocess rank mixer		2018	
NOTES:			
* - Notify Site Implementation Manager immediately if ar	ay of these condi	tions are observe	d and thoroughly
document on this form and through photographs.	iy or these condi-	nons are observe	a end thoroughly
** - Date of next oil change is approximate. The timing for			
actual run time (10,000 hours). Each mixer ran for the fo	llowing hours aft	er the last oil cha	nge and prior to
control panel set up, and these hours need to be added to	o the control pan	el readings to arr	ive at the total run
time for the mixers:			
M-201 = 8,987 hours, M-202 = 8,8	882 hours, M-203	3 = 8,952 hours	
COMMENTS:			
(Describe all "yes" answers, any observed damage, any	areas that could	not be inspected	and the reason, etc.)
CONTRACTOR OF THE STATE OF THE			
		V	
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mm R D			
Operator Signature:			
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K05 PHASE III O&M MONTHLY INSPECTION FORM

Date: 8/30/2018	Time: 0800	Inspector Initials: JR
	· · · · · · · · · · · · · · · · · · ·	

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334

K05 PHASE III O&M MONTHLY INSPECTION FORM Time: 0645 Inspector Initials: J **INSPECT MATERIALS AND PARTS** No 1. Are all spare parts present?: If no, list which parts need to be ordered and inform Site Implementation Manager: 2. Are all safety materials, resources, and supplies to perform work present? Yes No If no, list what needs to be ordered and inform Site Implementation Manager: PUMP OPERATION INSPECTION 3. Check if all AODD transfer pumps are in good condition and working order. Provide notes and contact the Site Implementation Manager if any repairs are required: P-201 P-202 P-203 P-204 P-205 P-206 HIGH-HIGH LEVEL ALARMS INSPECTIONS 4. Check if the high-high level warning alarm system is in good condition for each tank. Provide notes and contact the Site Implementation Manager if any repairs are required:

	T-2	201	T-2	202	¹ T-2	203	T-2	204
Check what level the High-High alarm signals — is it consistent with the set points?	Yes	No*	Yes	No*	(Yes)	No*	Yes	No*
Test reset procedure – were there any issues?	Yes*	No	Yes*	No	Yes*	(No)	Yes*	No
Are all alarm status lights in good working order?	(Yes)	No*	(Yes)	No*	Yes	No*	(es)	No*
Are the shut-off devices in good working order?	Yes	No*	Yes	No*	Yes	No*	Yes	No*
Visible damages to the alarm cords and cables?	Yes*	No	Yes*	No	Yes*	No	Yes*	(No

Notes:	

NUO PHASE III ORIVI IVIONI HEL INSPECTION FONIVI

Date: <u>\$ 30 2019</u> Time: <u>0800</u>	Inspecto	r Initials:	8
INSPECT PROCESS TANK MIXERS			
5. Visual inspection from top of each Process Tank:	T-201	T-202	T-203
Is there adequate oil in Process Tank mixer motors?	(Yes) No*	(Yes) No+	(Yes) No*
Control panel mixer run time**	9257.6 hrs	9580.6 hrs	9615. 8 hrs
INSPECT MAINTENANCE ITEMS			
6. Check if equipment requiring maintenance is in good	condition and w	orking order. Pro	vide the date of next
required maintenance and contact the Site Implemen		-	
	Date of	Novt	
	Replacem		
Activity	Mainten		Comments
Replace 3" decant transfer hoses	2/1/20		Commence
Replace 3" solid transfer hoses	3/1/901		
Replace 1.5" SLMW flush hose	12/5/		
Replace 3" stainless steel doublesphere expansion joints			
Replace air compressor filter element	10/16/		
Service air compressor	11/26/		
Change process tank mixer gear box oil**			
Grease gear seals on process tank mixer	1/4/		
Grease Bear Sears on brocess rank mixer		2018	
NOTES:			
* - Notify Site Implementation Manager immediately if ar	ay of these condi	tions are observe	d and thoroughly
document on this form and through photographs.	iy or these condi-	nons are observe	a end thoroughly
** - Date of next oil change is approximate. The timing for			
actual run time (10,000 hours). Each mixer ran for the fo	llowing hours aft	er the last oil cha	nge and prior to
control panel set up, and these hours need to be added to	o the control pan	el readings to arr	ive at the total run
time for the mixers:			
M-201 = 8,987 hours, M-202 = 8,8	882 hours, M-203	3 = 8,952 hours	
COMMENTS:			
(Describe all "yes" answers, any observed damage, any	areas that could	not be inspected	and the reason, etc.)
CONTRACTOR OF THE STATE OF THE			
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mm R D			
Operator Signature:			
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NUO PITADE III URIVI IVIUNI ITLI INDPECTION FURIVI

Date: 09/30/18 Time: 0645 Inspector Initials: JR

Title	Name	Phone #	Comments
Site Implementation Manager	Brad Maynard	(907) 723-2646	
Field Operations Manager	Kyle Hansen	(801) 949-6663	
Project Manager	David Bohmann	(303) 704-9527	
Program Manager	Dan Pastor	(303) 588-0901	
Site Health & Safety	Karen Luna	(702) 217-8173	
Corporate Health & Safety	Michelle Gillie	(610) 348-7197	
Process Engineer	Courtney Flores	(770) 845-6281	
Emergency Generator (United Rentals)	Heath Barnard	(702) 538 2292	Reference Quote # 142770051 Reference Customer # 1439334