TETRA TECH

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.

Tetra Tech, Inc.
150 S. 4th Street, Unit A, Henderson, NV 89015
Tel 702-854-2295 tetratech.com

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: _____, not individually, but solely in his representative capacity as President of the Nevada Environmental 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: 11/15/18

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.

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

November 15, 2018

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figures

Figure 1. Estimate of Perchlorate Mass Remaining in Process Tanks

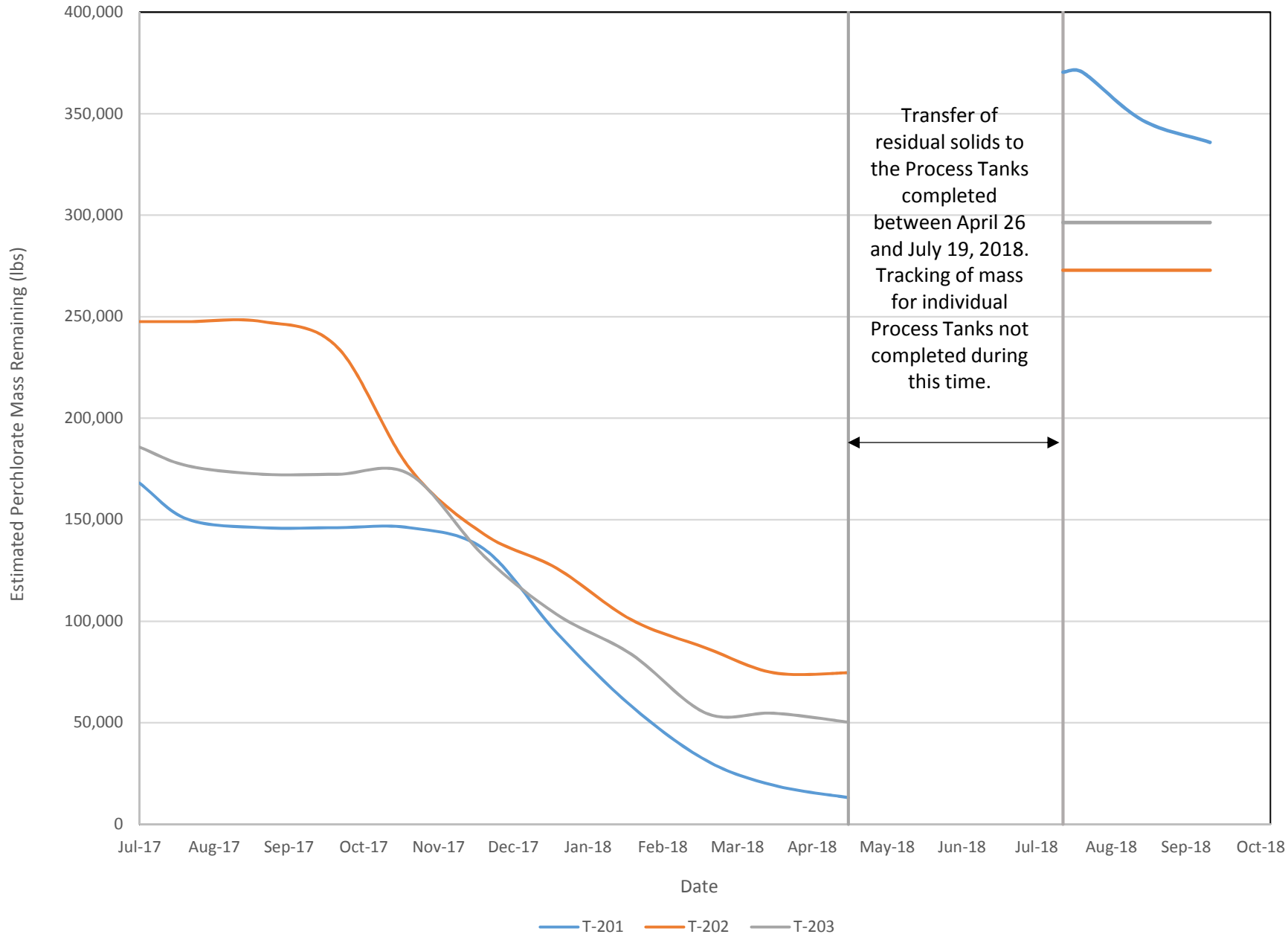


Figure 2. Estimate of Total Perchlorate Mass Remaining in Process Tanks

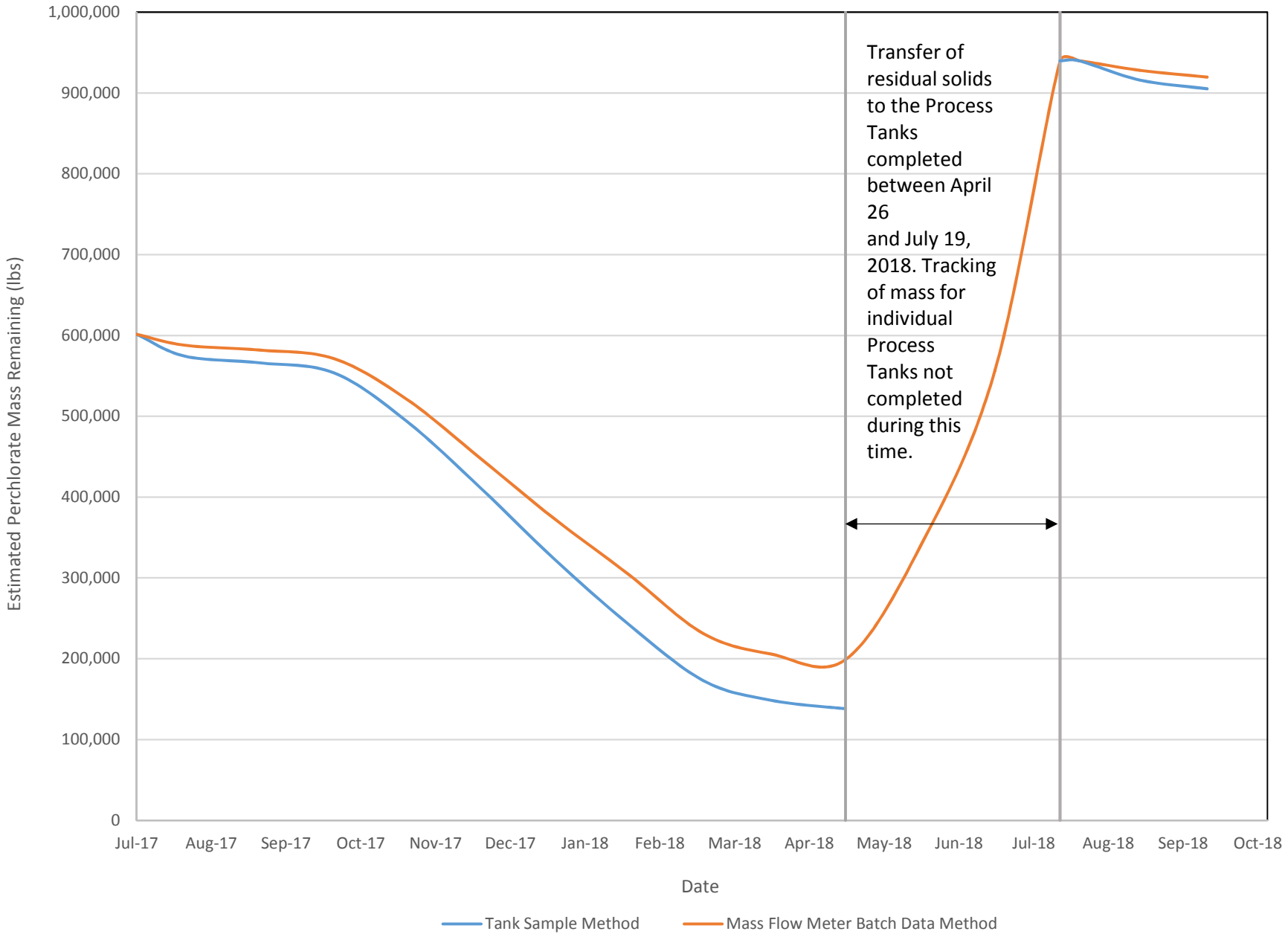


Figure 3. Estimate of Ammonia Mass Remaining in Process Tanks

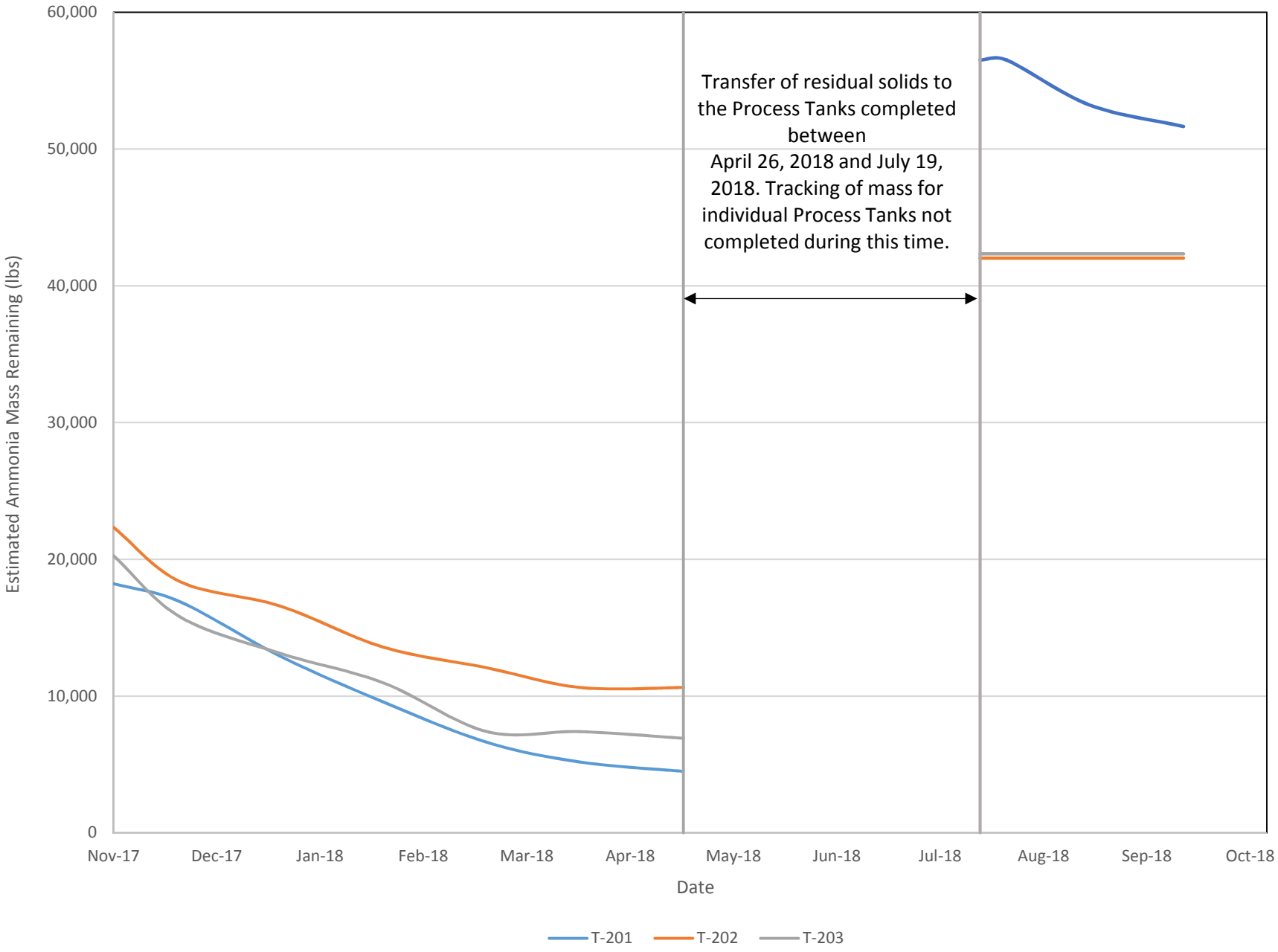
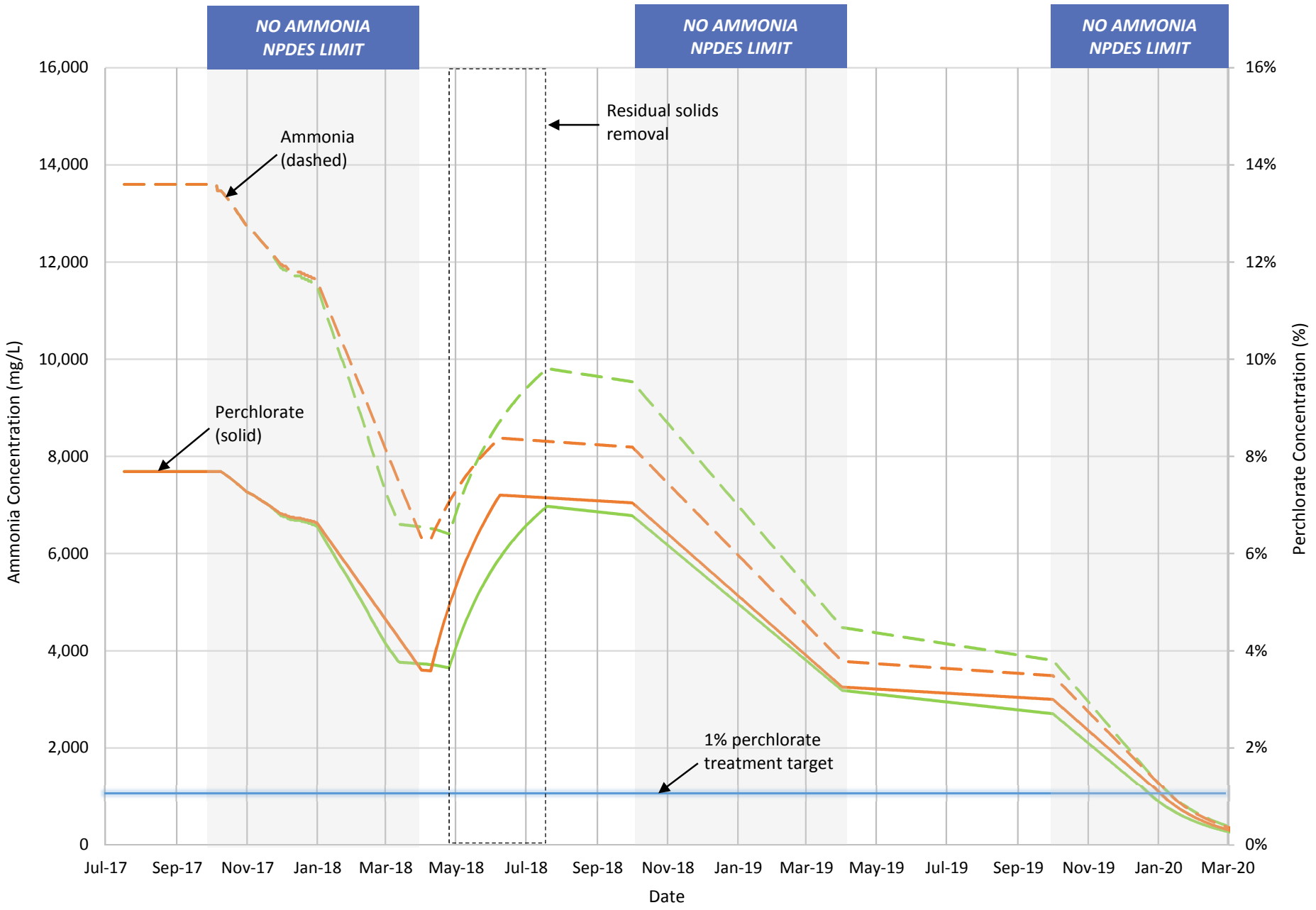


Figure 4. Projected AP-5 Solids Treatment Timeframe



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

Date	T-201 (Gallons)	T-202 (Gallons)	T-203 (Gallons)	Daily Total (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**

Notes:

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

Date	T-201 (Gallons)	T-202 (Gallons)	T-203 (Gallons)	Daily Total (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**

Notes:

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**

Notes:

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 Perchlorate Mass[1]		**168,055**	**247,579**	**185,745**		**601,380**
Approx.Mass Removed	*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**
	October 2017	*-*	*59,663*	*-*	*59,663*	**493,878**
	November 2017	*10,605*	*32,571*	*40,418*	*83,594*	**410,284**
	December 2017	*41,090*	*16,693*	*28,582*	*86,365*	**323,919**
	January 2018	*36,195*	*25,360*	*19,639*	*81,195*	**242,724**
	February 2018	*26,727*	*13,925*	*29,020*	*69,672*	**173,051**
	March 2018	*12,248*	*12,168*	*-*	*24,415*	**148,636**
	April 2018	*6,083*	*-*	*4,441*	*10,524*	**138,112**
	May 2018[3]	*INDIVIDUAL PROCESS TANK MASS CALCULATIONS WERE SUSPENDED UNTIL POND SOLIDS TRANSFER COMPLETED.*				
	June 2018					
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 Perchlorate Mass[4]		**370,459**	**272,873**	**296,418**		**939,750**
	July 2018[5]	*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**

Notes:

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 Perchlorate Mass[1]				**601,380**
Approx.Mass Removed	*July 2017[2]*		*13,520*	**587,860**
	August 2017[2]		*6,000*	**581,860**
	September 2017		*10,706*	**571,154**
	October 2017		*49,990*	**521,163**
	November 2017		*74,231*	**446,933**
	December 2017		*73,066*	**373,867**
	January 2018		*69,363*	**304,504**
	February 2018		*73,247*	**231,257**
	March 2018		*25,321*	**205,935**
	April 2018		*7,030*	**198,905**
	May 2018[4 5]	*151,078*	*11,126*	**338,857**
	June 2018[5]	*227,250*	*9,337*	**556,770**
	July 2018[5]	*341,180*	*9,343*	**888,608**
Perchlorate Mass After Pond Solids Removal[5]				**939,750**
	August 2018		*11,710*	**928,040**
	September 2018		*9,777*	**918,264**
Ending Perchlorate Mass				**918,264**

Notes:

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

		Mass in T-201 (lbs)	Mass in T-202 (lbs)	Mass in T-203 (lbs)	Total Monthly Mass Removed (lbs)	Total Ammonia Mass In Process Tanks (lbs)
Initial Ammonia Mass[1]		**18,217**	**22,343**	**20,277**		**60,837**
Approx. Mass Removed	*November 2017*	*1,323*	*3,979*	*4,490*	*9,792*	**51,045**
	December 2017	*3,974*	*1,778*	*2,659*	*8,411*	**42,634**
	January 2018	*3,353*	*3,009*	*2,163*	*8,526*	**34,108**
	February 2018	*2,945*	*1,509*	*3,564*	*8,017*	**26,091**
	March 2018	*1,445*	*1,441*	-	*2,886*	**23,206**
	April 2018	*682*	-	*490*	*1,172*	**22,034**
	May 2018 [2]	*INDIVIDUAL PROCESS TANK MASS CALCULATIONS WERE SUSPENDED UNTIL POND SOLIDS TRANSFER COMPLETED.*				
	June 2018					
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 Monthly Mass Removed (lbs)	Total Ammonia Mass In Process Tanks (lbs)
Initial Ammonia 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**

Notes:

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/1/18 Time: 0745 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,138,745 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 94? Oil temperature	94 °F		95 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/1/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/2/18 Time: 0925 Inspector Initials: KSH

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* (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 (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.
   pumped

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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	94 °F		93 °F		93 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/2/18 **Time:** 0925 **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.)

- Mixers off to reduce bearing wear

Operator Signature: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/3/18 Time: 905 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,144,580 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 91 Oil temperature	91 °F		93 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/3/18 **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 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: Kyle S Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/4/18 Time: 645 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,144,580 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	94 °F		93 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/4/18 **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 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: Kyle J. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/5/18 Time: 0630 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,144,580 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 90 Oil temperature	93 °F		93 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/5/16 **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.)

- Mixers off to reduce wear.

Operator Signature: Kyle Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/6/18 Time: _____ Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,150,105 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 100 Oil temperature	99 °F		98 °F		101 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/6/18 Time: _____ Inspector Initials: KSH

NOTES:

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** - 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: Kyle N. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/7/18 Time: 1300 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,150,105 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 107 Oil temperature	109 °F		107 °F		108 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/7/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/8/18 **Time:** 0906 **Inspector Initials:** KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,150,105 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	91 °F		92 °F		91 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/8/18 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 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: Kyle L. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/9/18 **Time:** 0935 **Inspector Initials:** KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,150,105 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	93 °F		94 °F		93 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/9/18 **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 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.
Sediment T-201 5.5, 1.75, 1
T-202 6.5, 2.5, 2.5
T-203 6.0 2.0 1.5

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/10/18 **Time:** 0820 **Inspector Initials:** KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,151,580 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	92 °F		93 °F		92 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/10/18 **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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/11/18 Time: 1210 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,157,410 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 97 Oil temperature	99 °F		98 °F		101 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/11/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/12/18 Time: 1320 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,157,410 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 100 Oil temperature	101 °F		103 °F		100 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/12/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/13/18 Time: 1500 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,157,460 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 109 Oil temperature	110 °F		113 °F		111 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/13/08 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.)

- Mixers off to reduce wear

Operator Signature: Kyle A. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/14/18 Time: 0830 Inspector Initials: KGH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,157,410 (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-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

8. Visual inspection from top of each Process Tank:

	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? N/A	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	93 °F		92 °F		94 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/14/18 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 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: Kyle S Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/15/18 Time: 1325 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,162,620 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 106 Oil temperature	107 °F		106 °F		107 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/15/18 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 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 temperature probe in compressor
- Met LS to design & install a shade canopy
- Mixers off to reduce wear

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/16/18 Time: 1245 Inspector Initials: KGH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,162,520 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 100 Oil temperature	100 °F		102 °F		101 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/18/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/17/18 Time: 0850 Inspector Initials: KSM

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* **No**
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 7,163,210 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	93 °F		90 °F		90 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/17/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/18/18 Time: 1406 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,166,910 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	(Yes)	No*	(Yes)	No*	(Yes)	No*
Ambient air temperature 94 Oil temperature	96 °F		93 °F		94 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/19/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/19/18 Time: 0655 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,166,910 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 89 Oil temperature	90 °F		89 °F		89 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/19/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/20/18 Time: 1139 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,172,005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 108 Oil temperature	108 °F		109 °F		109 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 6/20/18 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 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
- Shade canopy for compressor installed

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/21/18 Time: 0825 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,172,005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	93 °F		93 °F		92 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/21/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/22/18 Time: 0919 Inspector Initials: ESH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,172,005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	94 °F		93 °F		91 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/22/18 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 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 run for 10 minutes to mix water

Operator Signature: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/23/18 Time: 1042 Inspector Initials: KSA

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2172005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 97 Oil temperature	96 °F		95 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/23/14 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.)

- Mixers off to reduce wear

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/24/18 Time: 0952 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,179,590 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 94 Oil temperature	101 °F		100 °F		99 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 4/24/18 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 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 run for 30 minutes

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/25/18 Time: 0656 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,195,660 (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-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

8. Visual inspection from top of each Process Tank:

	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? N/A	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	86 °F		83 °F		85 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/25/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/26/18 Time: 0700 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,185,660 (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-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

8. Visual inspection from top of each Process Tank:

	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 85 Oil temperature	87 °F		87 °F		86 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/24/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/27/18 Time: 1430 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,192,160 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 104 Oil temperature	98 °F		99 °F		98 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/27/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/28/18 Time: 1432 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,192,150 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 99 Oil temperature	97 °F		101 °F		98 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/28/16 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.)

- Mixers off to reduce wear.

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/29/18 Time: 1125 Inspector Initials: KHH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,192,150 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	94 °F		90 °F		92 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/29/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/30/18 Time: 1525 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,192,150 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 105 Oil temperature	102 °F		103 °F		104 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/30/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/31/18 Time: 0713 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 7,198,820 (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-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

8. Visual inspection from top of each Process Tank:

	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? N/A	(Yes)	No*	Yes	No*	Yes	No*
Ambient air temperature 82 Oil temperature	86 °F		85 °F		86 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 8/31/16 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.)

- Mixers off to reduce wear.

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/1/18 Time: 0725 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,198,820 (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-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

8. Visual inspection from top of each Process Tank:

	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 79 Oil temperature	— °F		82 °F		80 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/1/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/2/18 Time: 0719 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,198,820 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 78 Oil temperature	— °F		80 °F		83 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/2/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/3/18 Time: 704 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,203,370 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 79 Oil temperature	— °F		82 °F		83 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/3/18 Time: _____ Inspector Initials: KSH

NOTES:

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** - 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/4/18 Time: 0817 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2205,870 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 80 Oil temperature	— °F		84 °F		82 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/4/18 Time: _____ Inspector Initials: KSH

NOTES:

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** - 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/5/16 Time: 0740 Inspector Initials: KSA

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,205,900 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 91 Oil temperature	~ °F		84 °F		82 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/5/18 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 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: Kyle A. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/6/18 Time: 0804 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 4205905 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 81 Oil temperature	– °F		83 °F		84 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/6/18 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 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: Kyle A. Hansen

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	
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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 ROUTINE INSPECTION FORM

Date: 9/7/18 Time: 0905 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,212,190 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 91 Oil temperature	– °F		86 °F		86 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/7/18 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 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: Kyle S Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/8/18 Time: 900 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,212,190 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	- °F		87 °F		87 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/8/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/9/18 Time: 1501 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,212,210 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 110 Oil temperature	— °F		112 °F		109 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/7/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/10/18 Time: 1025 Inspector Initials: KSH

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* **No**
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,219,980 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 96 Oil temperature	— °F		90 °F		91 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/10/18 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 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.
- T-201 gear box under repair.

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/11/18 Time: 1206 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,219,980 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 98 Oil temperature	— °F		94 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/11/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/12/14 Time: 1006 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,219,980 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 92 Oil temperature	— °F		90 °F		88 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/12/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/13/18 Time: 0835 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,219,980 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 95 Oil temperature	– °F		87 °F		86 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/13/14 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.)

- Mixers off to reduce wear

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/14/18 Time: 0919 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,226,420 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 87 Oil temperature	– °F		84 °F		84 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/14/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/15/16 Time: 1804 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,226,420 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 101 Oil temperature	— °F		103 °F		101 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/15/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/16/18 Time: 0700 Inspector Initials: K&H

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,226,420 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 82 Oil temperature	- °F		80 °F		81 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/16/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/17/18 Time: 0755 Inspector Initials: IGH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,226,420 (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-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

8. Visual inspection from top of each Process Tank:

	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? N/A	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 85 Oil temperature	— °F		82 °F		83 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/17/18 Time: _____ Inspector Initials: KSH

NOTES:

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** - 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/18/18 Time: 0822 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,233,615 (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-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

8. Visual inspection from top of each Process Tank:

	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 83 Oil temperature	—	°F	80	°F	81	°F

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/18/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/19/18 Time: 1555 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,233,620 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 102 Oil temperature	- °F		104 °F		102 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/19/18 Time: _____ Inspector Initials: KSH

NOTES:

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** - 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/20/18 Time: 0655 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,233,620 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 70 Oil temperature	108 °F		71 °F		71 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 7/20/18 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 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: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/21/18 Time: 0900 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,241,490 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 81 Oil temperature	76 °F		75 °F		77 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/21/18 Time: _____ Inspector Initials: KLH

NOTES:

* - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.

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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: Kyle D. Hansen

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	
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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 ROUTINE INSPECTION FORM

Date: 9/22/18 Time: 0700 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,241,490 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 73 Oil temperature	75 °F		74 °F		75 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/22/18 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

Operator Signature: Kyle J. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/23/18 Time: 0915 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,241,490 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 89 Oil temperature	82 °F		81 °F		83 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/23/18 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 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: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/24/18 Time: 1415 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,241,520 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 99 Oil temperature	100 °F		103 °F		100 °F	

K05 PHASE III O&M ROUTINE 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.)

- Mixers off to reduce wear.

Operator Signature: Kyle A. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/25/18 Time: 0918 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   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 (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*	(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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 93 Oil temperature	85 °F		82 °F		84 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 7/25/18 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 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: Kyle J. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/26/18 Time: 1425 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   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 (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*	(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

8. Visual inspection from top of each Process Tank:

	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? N/A	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 96 Oil temperature	94 °F		99 °F		95 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/26/18 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 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.)

- Run mixers intermittently to reduce wear on bearings

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/27/18 Time: 1058 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   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 (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*	(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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 90 Oil temperature	90 °F		88 °F		91 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/27/18 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 intermittently to reduce wear.
- Small leak on F-201 gear box. CCC contacted

Operator Signature: Kyle Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/28/18 Time: 0925 Inspector Initials: KGH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,256,005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 80 Oil temperature	77 °F		78 °F		78 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

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 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.)

- T-201 has small green box leak, CCC visited 5.6
- Mixers run intermittently to reduce wear

Operator Signature: Kyle S. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/29/18 Time: 0636 Inspector Initials: KSH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,256,005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 79 Oil temperature	81 °F		80 °F		81 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/29/18 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 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 run intermittently.
- T-201 is under repair. advisement.

Operator Signature: Kyle D. Hansen

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

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/30/18 Time: 0655 Inspector Initials: KGH

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* (No)
3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
   Flowmeter: 2,756,005 (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-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

8. Visual inspection from top of each Process Tank:

	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? NA	Yes	No*	Yes	No*	Yes	No*
Ambient air temperature 80 Oil temperature	80 °F		81 °F		80 °F	

K05 PHASE III O&M ROUTINE INSPECTION FORM

Date: 9/30/18 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 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 run intermittently to reduce wear
- T-201 will be inspected next week by repair contractor

Operator Signature: Kyle S. Hansen

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

Attachment B
Phase III O&M Monthly Inspection Forms

K05 PHASE III O&M MONTHLY INSPECTION FORM

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

INSPECT MATERIALS AND PARTS

1. Are all spare parts present?: (Yes) No
   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-201		T-202		T-203		T-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*	(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: _____

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

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 working order. Provide the date of next required maintenance and contact the Site Implementation if anything is in need of maintenance:

Activity	Date of Next Replacement or Maintenance	Comments
Replace 3" decant transfer hoses	2/1/2019	
Replace 3" solid transfer hoses	2/1/2019	
Replace 1.5" SLMW flush hose	12/15/2018	
Replace 3" stainless steel doublesphere expansion joints	2/1/2019	
Replace air compressor filter element	10/16/2018	
Service air compressor	11/26/2019	
Change process tank mixer gear box oil**	1/4/2020	
Grease gear seals on process tank mixer	12/21/2018	

NOTES:

*** - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.**

**** - Date of next oil change is approximate. The timing for process tank mixer gear box oil change is based on actual run time (10,000 hours). Each mixer ran for the following hours after the last oil change and prior to control panel set up, and these hours need to be added to the control panel readings to arrive at the total run time for the mixers:**

M-201 = 8,987 hours, M-202 = 8,882 hours, M-203 = 8,952 hours

COMMENTS:

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

Operator Signature: JR

K05 PHASE III O&M MONTHLY INSPECTION FORM

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

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

K05 PHASE III O&M MONTHLY INSPECTION FORM

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

INSPECT MATERIALS AND PARTS

1. Are all spare parts present?: (Yes) No
   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-201		T-202		T-203		T-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*	(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: _____
_____
_____
_____

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

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 working order. Provide the date of next required maintenance and contact the Site Implementation if anything is in need of maintenance:

Activity	Date of Next Replacement or Maintenance	Comments
Replace 3" decant transfer hoses	2/1/2019	
Replace 3" solid transfer hoses	2/1/2019	
Replace 1.5" SLMW flush hose	12/15/2018	
Replace 3" stainless steel doublesphere expansion joints	2/1/2019	
Replace air compressor filter element	10/16/2018	
Service air compressor	11/26/2019	
Change process tank mixer gear box oil**	1/4/2020	
Grease gear seals on process tank mixer	12/21/2018	

NOTES:

*** - Notify Site Implementation Manager immediately if any of these conditions are observed and thoroughly document on this form and through photographs.**

**** - Date of next oil change is approximate. The timing for process tank mixer gear box oil change is based on actual run time (10,000 hours). Each mixer ran for the following hours after the last oil change and prior to control panel set up, and these hours need to be added to the control panel readings to arrive at the total run time for the mixers:**

M-201 = 8,987 hours, M-202 = 8,882 hours, M-203 = 8,952 hours

COMMENTS:

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

Operator Signature: JR

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

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