

TECHNICAL MEMORANDUM

| То: | Nevada Environmental Response Trust |
|----------|---|
| Cc: | Nevada Division of Environmental Protection |
| From: | David Bohmann and Bounkheana Chhun |
| Date: | October 24, 2019 |
| Subject: | AP-5 Operation and Maintenance Bi-Monthly Progress Report Summary – August and September 2019 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 2019 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 2019 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 2019.

SOLIDS WASHING AND DECANT WATER TRANSFER

Throughout August and September 2019, routine procedures for washing the solids and transferring decant water were followed. Mixers were run periodically to wash solids while reducing mechanical wear on system components. Approximately 64,662 gallons of AP-5 wash water was decanted from the Process Tanks and transferred to the Day Tank in August 2019 and approximately 44,774 gallons of AP-5 wash water was decanted from the Process Tanks and transferred to the Day Tank in August 2019 and approximately 44,774 gallons of AP-5 wash water was decanted from the Process Tanks and transferred to the Day Tank in September 2019. 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 2019 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.

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. During the months of August and September 2019, 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). The AP-5 wash water was diluted to an average batch concentration of 0.98% in August and September 2019.

In an effort to provide decant water for feed to the FBRs at consistent concentrations and perchlorate to ammonia ratios, Tank T-203 was used as the source of all decant water transferred to the FBRs in August and September 2019. To facilitate transfer of decant water to the FBRs through Tank T-203, AP-5 wash water was transferred between tanks as part of the solids washing process. In September 2019, AP-5 wash water decanted from tanks T-201 and T-202 were transferred into Tank T-203. The perchlorate and ammonia concentrations in Tanks T-201 and T-202 are lower than that of T-203. The transfer of decant water between Process Tanks resulted in a transfer of mass (i.e. increase in perchlorate and ammonia mass in the Process Tank receiving decant water), which is reflected on Figures 1 and 3.

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 3a and 4. Following residual solids transfer, the Process Tanks were resampled on July 26 and July 27, 2018 to determine the mass transferred and the resulting mass in the Process Tanks. The updated perchlorate mass estimate is also provided on Tables 3b 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. The first mass removal estimate method uses monthly grab samples from the Process Tanks to estimate the mass of perchlorate removed from each Process Tank and the remaining perchlorate mass in each tank (Tables 3a and 3b, Figure 1). In August 2019, one grab sample was collected from each tank for analysis of perchlorate. In September 2019, four grab samples were collected from each tank for analysis of perchlorate. September 2019 samples were collected at four separate locations along the mixer bridge (5, 20, 40, and 55 feet from the sidewall). Four samples were collected in September 2019 to improve concentration estimates over those obtained from a single-point sample. The perchlorate mass estimate for each tank in August and September 2019 as determined by the sampling method is provided on Table 3b. As noted above, AP-5 wash water from solids washing was transferred from tanks T-201 and T-202 to T-203 in September 2019.

The second mass removal estimate method uses 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. 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. Table 4 also includes an estimate of the perchlorate mass added to the Process Tanks from May – July 2018 as part of final pond closure activities based on single-point samples from each Process Tank.

The estimated 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

limited monthly grab 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 monthly grab 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 5a. 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 5b and Figure 3. Monthly tank grab samples were completed in August and September 2019 for estimating the mass of ammonia removed from each Process Tank and the remaining ammonia mass in each tank. As noted above, AP-5 wash water from solids washing was transferred from tanks T-201 and T-202 into T-203 in September 2019.

Treatment Timeline

As part of evaluating the long-term treatment approach for perchlorate and ammonia, a projected treatment timeline was developed using the estimated mass loading to the Process Tanks and expected treatment rates. This treatment timeline projection is routinely updated with operational data (flow rates and concentrations). The treatment timeline projections beyond this reporting period are also routinely updated with actual recent treatment rates as the basis for estimating future treatment rates. The estimated FBR feed rates used for projections are 2.0 gpm at 1.8% perchlorate in the summer season and 10 gpm at 2% perchlorate in the winter season. The original and updated projected treatment timelines are provided in the attached Figure 4. The updated projection remains generally consistent with the previous O&M summary report. Based on current information, solids treatment for all three tanks is expected to be completed in first quarter of 2020. The projected ending date will periodically change since this is a dynamic treatment process with many variables affecting actual treatment rates and mass estimates used to project the treatment timeline. Based on a composite sample collected from T-201 in July 2019, the solids concentration in T-201 is less than 1% and solids washing activities are considered complete for that tank. The solids in tank T-201 will be characterized for disposal followed by removal of solids from the tank for dewatering and off-site disposal following build out of the solids dewatering area. Tetra Tech initiated planning for solids dewatering in September 2019, including collecting samples from T-201 for field and laboratory testing to evaluate and optimize dewatering procedures and collecting samples for landfill waste disposal profiling. Solids dewatering activities are anticipated to begin in 2020 with T-201 and will continue to T-202 and T-203 as appropriate.

ROUTINE INSPECTIONS

Routine inspections were conducted throughout August and September 2019. 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 2019. 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.
- No stormwater accumulation on the secondary containment liner or in equipment pad sumps were observed.

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 2019. 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.

MONTHLY INSPECTION

The August and September 2019 monthly inspections were conducted on August 30, 2019 and September 30, 2019. 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 treatment system were present and stored on site.
- 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.

CERTIFICATION

AP-5 Operation and Maintenance Bi-Monthly Progress Report Summary – August and September 2019

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 as President of the Trustee

_, 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

10/24/19 Date:

CERTIFICATION

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

Description of Services Provided: Prepared AP-5 Operation and Maintenance Bi-Monthly Progress Report Summary for August and September 2019.

Hansen

October 24, 2019

Date

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

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

Figures

Figure 1. Estimate of Perchlorate Mass Remaining in Process Tanks

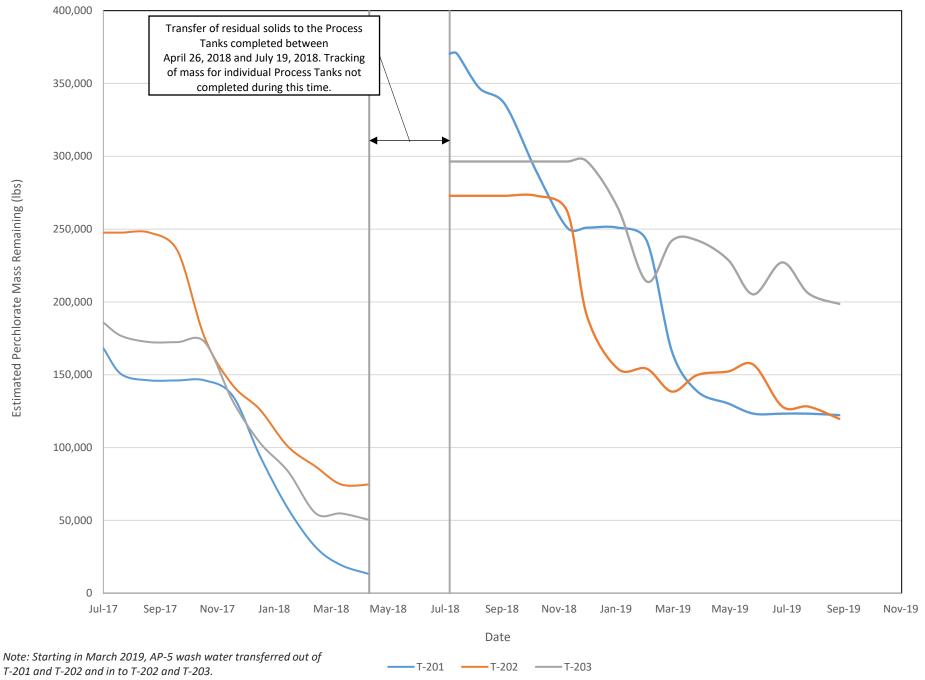
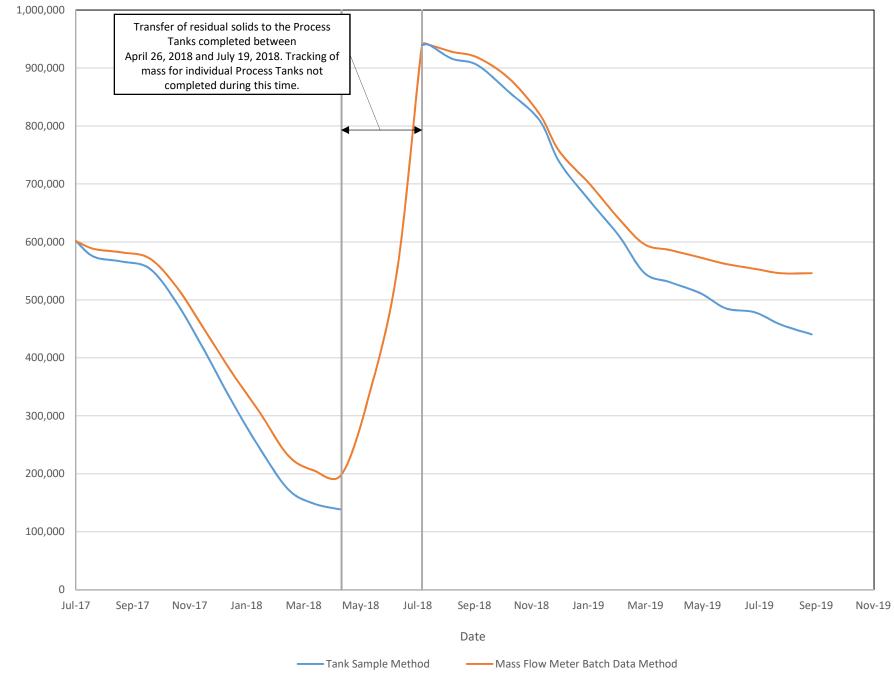
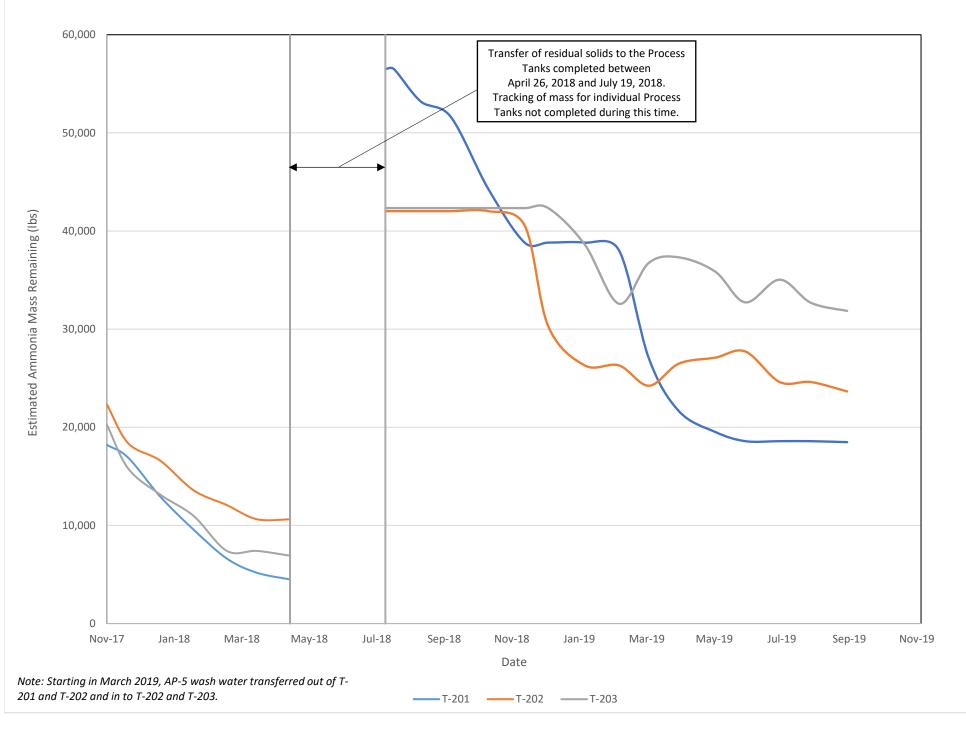


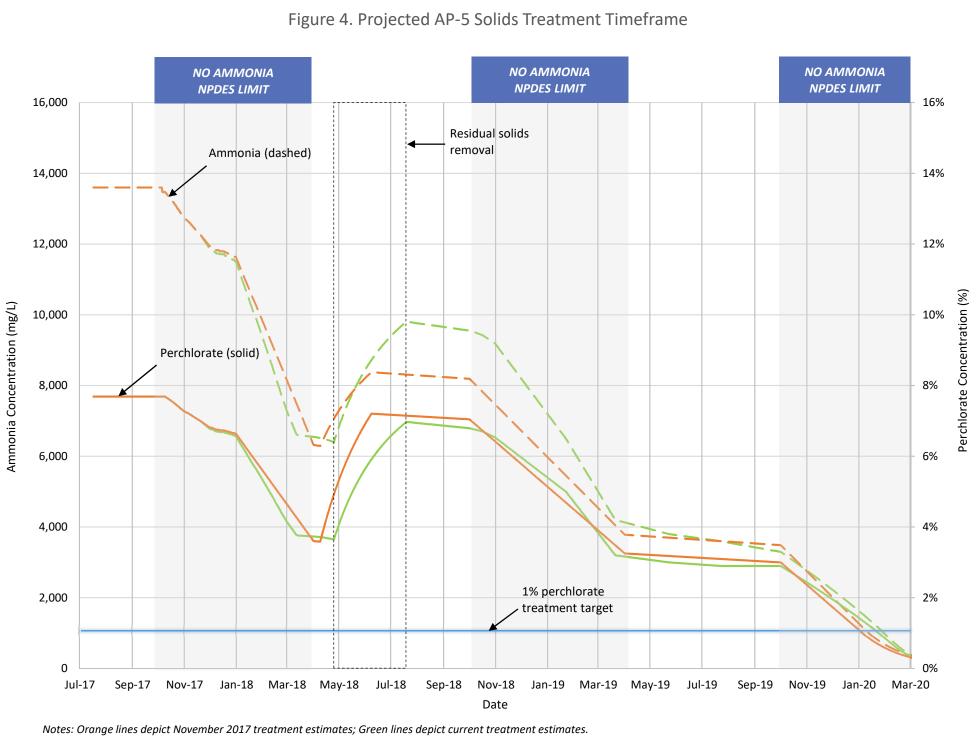
Figure 2. Estimate of Total Perchlorate Mass Remaining in Process Tanks



Estimated Perchlorate Mass Remaining (lbs)







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

Tables

| Det | T-201 | T-202 | T-203 | Daily Total |
|-----------|-----------|-----------|-----------|-------------|
| Date | (Gallons) | (Gallons) | (Gallons) | (Gallons) |
| 8/1/2019 | - | - | 20,104 | 20,104 |
| 8/2/2019 | - | - | - | - |
| 8/3/2019 | - | - | - | - |
| 8/4/2019 | - | - | - | - |
| 8/5/2019 | - | - | - | - |
| 8/6/2019 | - | - | - | - |
| 8/7/2019 | - | - | - | - |
| 8/8/2019 | - | - | - | - |
| 8/9/2019 | - | - | - | - |
| 8/10/2019 | - | - | - | - |
| 8/11/2019 | - | - | - | - |
| 8/12/2019 | - | - | - | - |
| 8/13/2019 | - | - | 19,118 | 19,118 |
| 8/14/2019 | - | - | - | - |
| 8/15/2019 | - | - | - | - |
| 8/16/2019 | - | - | - | - |
| 8/17/2019 | - | - | - | - |
| 8/18/2019 | - | - | - | - |
| 8/19/2019 | - | - | - | - |
| 8/20/2019 | - | - | - | - |
| 8/21/2019 | - | - | - | - |
| 8/22/2019 | - | - | - | - |
| 8/23/2019 | - | - | - | - |
| 8/24/2019 | - | - | - | - |
| 8/25/2019 | - | - | - | - |
| 8/26/2019 | - | - | 25,440 | 25,440 |
| 8/27/2019 | - | - | - | - |
| 8/28/2019 | - | - | - | - |
| 8/29/2019 | - | - | - | - |
| 8/30/2019 | - | - | - | - |
| 8/31/2019 | - | - | - | - |
| Total | - | - | 64,662 | 64,662 |

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

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.

| Dete | T-201 | T-202 | T-203 | Daily Total |
|------------------------|-----------|-----------|-----------|-------------|
| Date | (Gallons) | (Gallons) | (Gallons) | (Gallons) |
| 9/1/2019 | - | - | - | - |
| 9/2/2019 | - | - | - | - |
| 9/3/2019 | - | - | - | - |
| 9/4/2019 | - | - | - | - |
| 9/5/2019 | - | - | - | - |
| 9/6/2019 ² | 13,000 | - | (13,000) | - |
| 9/7/2019 | - | - | - | - |
| 9/8/2019 | - | - | - | - |
| 9/9/2019 | - | - | 21,711 | 21,711 |
| 9/10/2019 | - | - | - | - |
| 9/11/2019 | - | - | - | - |
| 9/12/2019 | - | - | - | - |
| 9/13/2019 | - | - | - | - |
| 9/14/2019 | - | - | - | - |
| 9/15/2019 | - | - | - | - |
| 9/16/2019 | - | - | - | - |
| 9/17/2019 | - | - | - | - |
| 9/18/2019 | - | - | - | - |
| 9/19/2019 | - | - | - | - |
| 9/20/2019 | - | - | - | - |
| 9/21/2019 | - | - | - | - |
| 9/22/2019 | - | - | - | - |
| 9/23/2019 | - | - | - | - |
| 9/24/2019 | - | - | 23,063 | 23,063 |
| 9/25/2019 | - | - | - | - |
| 9/26/2019 ² | - | 33,000 | (33,000) | - |
| 9/27/2019 | - | - | - | - |
| 9/28/2019 | - | - | - | - |
| 9/29/2019 | - | - | - | - |
| 9/30/2019 | - | - | - | - |
| Total | 13,000 | 33,000 | (1,226) | 44,774 |

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

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.
2 - Decant volume transferred from T-201 and T-202 to T-203. Transfer into Tank T-203 shown as a negative value.

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

| Basuth | T-201 | T-202 | T-203 | Monthly Total |
|------------------|-----------|-----------|-----------|---------------|
| Month | (Gallons) | (Gallons) | (Gallons) | (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 |
| October 2018 | 96,653 | - | - | 96,653 |
| November 2018 | 100,315 | 20,276 | - | 120,591 |
| December 2018 | - | 146,407 | - | 146,407 |
| January 2019 | - | 88,720 | 62,425 | 151,145 |
| February 2019 | 29,886 | - | 97,882 | 127,768 |
| March 2019 | 17,897 | - | 95,684 | 113,581 |
| April 2019 | - | - | 20,837 | 20,837 |
| May 2019 | - | - | 55,405 | 55,405 |
| June 2019 | - | - | 83,194 | 83,194 |
| July 2019 | - | - | 22,342 | 22,342 |
| August 2019 | - | - | 64,662 | 64,662 |
| September 2019 | - | - | 44,774 | 44,774 |
| Cumulative Total | 975,053 | 717,348 | 978,794 | 2,671,195 |

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.

| | T-201 | T-202 | T-203 | Monthly Total |
|------------------|-----------|-----------|-----------|------------------------|
| Month | (Gallons) | (Gallons) | (Gallons) | (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 |
| October 2018 | 1,490 | - | - | 1,490 |
| November 2018 | 220,212 | 310 | - | 220,522 |
| December 2018 | - | 2,780 | - | 2,780 |
| January 2019 | - | 96,270 | 950 | 97,220 |
| February 2019 | 630 | - | 1,630 | 2,260 |
| March 2019 | 270 | - | 1,110 | 1,380 |
| April 2019 | 86,500 | 4,500 | 210 | 91,210 |
| May 2019 | 74,000 | - | 730 | 74,730 |
| June 2019 | 85,000 | - | 1,930 | 86,930 |
| July 2019 | 23,360 | - | 320 | 23,680 |
| August 2019 | 10,330 | - | 850 | 11,180 |
| September 2019 | 13,000 | - | 400 | 13,400 |
| Cumulative Total | 823,437 | 492,567 | 313,310 | 1,629,314 |

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

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.

| | | 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 | |
| | 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 | |
| p | October 2017 | - | 59,663 | - | 59,663 | 493,878 | |
| Approx. Mass Removed | November 2017 | 10,605 | 32,571 | 40,418 | 83,594 | 410,284 | |
| Ren | December 2017 | 41,090 | 16,693 | 28,582 | 86,365 | 323,919 | |
| lass | January 2018 | 36,195 | 25,360 | 19,639 | 81,195 | 242,724 | |
| ×. | February 2018 | 26,727 | 13,925 | 29,020 | 69,672 | 173,051 | |
| pro. | March 2018 | 12,248 | 12,168 | - | 24,415 | 148,636 | |
| Ap | April 2018 | 6,083 | - | 4,441 | 10,524 | 138,112 | |
| | May 2018 ³ | | | | | | |
| June 2018 | | INDIVIDUAL PI | INDIVIDUAL PROCESS TANK MASS CALCULATIONS WERE SUSPENDED UNTIL POND SOLIDS TRANSFER COMPLETED. | | | | |
| July 2018 | | | 50110 | | | | |
| Ending | Perchlorate Mass | | | | | 138,112 | |

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

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 grab samples from each tank.

3 - Individual tank mass calculations were suspended until pond closure activities were completed. Following pond closure, a more comprehensive sampling of the Process Tanks was completed to establish new mass estimates.

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 |
| | August 2018⁵ | 23,717 | - | - | 23,717 | 916,033 |
| | September 2018 | 10,889 | - | - | 10,889 | 905,144 |
| | October 2018 | 46,380 | - | - | 46,380 | 858,764 |
| p | November 2018 | 38,510 | 10,660 | - | 49,170 | 809,594 |
| Approx. Mass Removed | December 2018 | - | 72,088 | - | 72,088 | 737,507 |
| Ren | January 2019 | - | 36,002 | 31,779 | 67,781 | 669,726 |
| ass | February 2019 | 9,026 | - | 50,646 | 59,671 | 610,055 |
| ×. | March 2019 ⁶ | 76,234 | 15,700 | (28,139) | <i>63,795</i> | 546,260 |
| pro: | April 2019 | 27,186 | (11,423) | (93) | 15,670 | 530,590 |
| Ap | May 2019 | 8,238 | (2,366) | 13,346 | 19,218 | 511,372 |
| | June 2019 | 7,006 | (4,670) | 23,693 | 26,028 | 485,344 |
| | July 2019 | - | 28,762 | (21,934) | 6,829 | 478,515 |
| | August 2019 | - | - | 21,383 | 21,383 | 457,132 |
| | September 2019 | 1,021 | 8,434 | 7,093 | 16,548 | 440,584 |
| Ending | Perchlorate Mass | 122,252 | 119,686 | 198,647 | | 440,584 |

Notes:

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 resumed in August 2018.

6 - Starting in March 2019, AP-5 wash water was transferred out of Process Tanks T-201 and T-202 and into Process

Tanks T-202 and T-203 to provide consistent concentrations and perchlorate to ammonia ratios for feed to the FBRs.

| | | Estimated Monthly Mass Added (lbs) ³ | Total Monthly Mass Removed (lbs) | Total Perchlorate Mass In Process Tanks (lbs) |
|----------------------|------------------------------|---|--|---|
| Initial P | erchlorate Mass ¹ | | | 601,380 |
| | July 2017 ² | | 13,520 | 587,860 |
| | August 2017 ² | | 6,000 | 581,860 |
| | September 2017 | | 10,706 | 571,154 |
| pa | October 2017 | | 49,990 | 521,163 |
| Approx. Mass Removed | November 2017 | | 74,231 | 446,933 |
| Ren | December 2017 | | 73,066 | 373,867 |
| lass | January 2018 | | 69,363 | 304,504 |
| ×. M | February 2018 | | 73,247 | 231,257 |
| pro | March 2018 | | 25,321 | 205,935 |
| Ap | April 2018 | | 7,030 | 198,905 |
| | May 2018 ^{4 5} | 151,078 | 11,126 | 338,857 |
| | June 2018⁵ | 227,250 | 9,337 | 556,770 |
| | July 2018⁵ | 341,180 | 9,343 | 888,608 |

Table 4a. Estimate of Perchlorate Mass in Process Tanks Based on Batch Transfers after Initial Slurry Transfer

Notes:

 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.
 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 - From May to July 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 were estimated using a single point sample from each Process Tank and may underestimate the mass contribution from settled residual solids.

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 4b. Estimate of Perchlorate Mass in Process Tanks Based on Batch Transfers after Residual Solids Transfer

| | | Estimated Monthly Mass Added (lbs) ³ | Total Monthly Mass Removed (lbs) | Total Perchlorate Mass In Process Tanks (lbs) |
|----------------------|----------------------|---|--|---|
| Perchlo | orate Mass After Pon | d Solids Removal ⁵ | | 939,750 |
| | August 2018 | | 11,710 | 928,040 |
| | September 2018 | | 9,777 | 918,264 |
| | October 2018 | | 35,943 | 882,320 |
| ed | November 2018 | | 61,959 | 820,361 |
| Approx. Mass Removed | December 2018 | | 64,395 | 755,966 |
| Rer | January 2019 | | 57,196 | 698,770 |
| ass | February 2019 | | 59,301 | 639,469 |
| Š. | March 2019 | | 43,614 | 595,855 |
| (ora | April 2019 | | 9,820 | 586,035 |
| Ap | May 2019 | | 13,081 | 572,954 |
| | June 2019 | | 11,009 | 561,945 |
| | July 2019 | | 8,394 | 553,551 |
| | August 2019 | | 7,613 | 545,938 |
| | September 2019 | | 8,604 | 537,334 |
| Ending | Perchlorate Mass | | | 537,334 |

Notes:

 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.
 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 - From May to July 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 were estimated using a single point sample from each Process Tank and may underestimate the mass contribution from settled residual solids.

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.

| | | Mass in T-201 (lbs) | Mass in T-202 (lbs) | Mass in T-203 (Ibs) | Total Monthly Mass Removed (lbs) | Total Ammonia Mass In Process Tanks (lbs) |
|--------------|---------------------------|----------------------------|------------------------|------------------------|--|---|
| Initial A | Ammonia Mass ¹ | 18,217 | 22,343 | 20,277 | | 60,837 |
| | November 2017 | 1,323 | 3,979 | 4,490 | 9,792 | 51,045 |
| pa | December 2017 | 3,974 | 1,778 | 2,659 | 8,411 | 42,634 |
| Removed | January 2018 | 3,353 | 3,009 | 2,163 | 8,526 | 34,108 |
| Ren | February 2018 | 2,945 | 1,509 | 3,564 | 8,017 | 26,091 |
| Approx. Mass | March 2018 | 1,445 | 1,441 | - | 2,886 | 23,206 |
| ×. | April 2018 | 682 | - | 490 | 1,172 | 22,034 |
| pro. | May 2018 ² | | | | | |
| Ap | June 2018 | INDIVIDUAL PR | | | S WERE SUSPENL PLETED | DED UNTIL POND |
| | July 2018 | SOLIDS TRANSFER COMPLETED. | | | | |
| Ending | Ammonia Mass | | | | | 22,034 |

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

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 were suspended until pond closure activities were completed. Following pond

closure, a more comprehensive sampling of the Process Tanks was 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 ammonia mass in all three Process Tanks is 118,994 to 162,598 pounds.

4 - Mass removal estimates on individual tanks resumed in August 2018.

| | | Mass in T-201 (lbs) | Mass in T-202 (lbs) | Mass in T-203 (lbs) | | Total Ammonia Mass In Process Tanks (Ibs) |
|-----------|---------------------------|------------------------|------------------------|------------------------|-------|---|
| Initial A | Ammonia Mass ³ | 56,496 | 42,023 | 42,335 | | 140,854 |
| | August 2018⁴ | 3,294 | - | - | 3,294 | 137,560 |
| | September 2018 | 1,561 | - | - | 1,561 | 135,999 |
| | October 2018 | 7,340 | - | - | 7,340 | 128,659 |
| | | | | | | |

1,455

10,263

3,998

-

2,074

(2,253)

(610)

(623)

3,105

_

23,649

964

_

3,699

6,045

(4,173)

(548)

1,460

3,124

(2,313)

2,347

31,858

836

6,939

10,263

7,697

6,818

8,942

2,561

2,974

3,436

2,347

1,902

792

121,720

111,457

103,760

96,942

88,000

85,438

82,465

79,029

78,237

75,889

73,987

73,987

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

5,483

_

_

11,041

5,363

2,124

-

_

18,480

103

934

773

Notes:

Approx. Mass Removed

November 2018

December 2018

January 2019

February 2019

March 2019 ⁵

April 2019

May 2019

June 2019

July 2019

Ending Ammonia Mass

August 2019

September 2019

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.
 Individual tank mass calculations were suspended until pond closure activities were completed. Following pond

closure, a more comprehensive sampling of the Process Tanks was 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 ammonia mass in all three Process Tanks is 118,994 to 162,598 pounds.

4 - Mass removal estimates on individual tanks resumed in August 2018.

5 - Starting in March 2019, AP-5 wash water was transferred out of Process Tanks T-201 and T-202 and into Process Tanks T-202 and T-203 to provide consistent concentrations and perchlorate to ammonia ratios for feed to the FBRs.

Attachment A Phase III O&M Routine Inspection Forms

| Da | te: <u>8/1/19</u> Time: <u>1430</u> Inspector Initi | als: | KSH |
|-----|---|---------------|--------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec | ondary contai | nment. |
| | 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 F Flowmeter: $\underline{4}, 6\pi1, 140$ (gallons) | rocess Tanks. | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | - |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | To |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | Ng |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|------|------|--------|------|-------------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Ves | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste M Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature 105 Oil temperature | ((| 58°F | 10 | (∕∂ °F | 10 | 6 °₽ |

8/1/19 Date:

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 intermitten Mixens bearing to Feduce Weler

Operator Signature:

les. Hans

EMERGENCY CONTACTS:

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

| Dat | re: <u>8/2/19</u> Time: <u>0840</u> Inspector | Initials: | KGH |
|-----|--|-----------------|---------------------|
| PRO | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR | secondary co | ontainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | $\overline{\frown}$ |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east Flowmeter: $\underline{\mathcal{H}}_{1}$ (\mathcal{D}_{1} , 140 (gallons) | t of Process Ta | anks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear | and tear. | \bigcirc |
| | Any leaks, punctures, or other damage visible? | Yes | (No) |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | (Ng) |
| | If Yes, pump storm water into one of the Process Tanks. | | - |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | Nd |
| | | | |

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* | (NS) |
| All decant valves and transfer valves locked out?** | Yes | No* | es | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 | T-202 | | T-2 | 203 ~ |
|--|------|------|-------|-----|------|---------|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | No | Yes* | No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | ves | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | Yes | No X |
| 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 MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 9 | 3 °F | 97 | ₹°F | 9 | 3 °F |

8/2/19 Date:

Time: ______ Inspector Initials: ______

NOTES:

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

** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

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

COMMENTS:

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

Mixers run intermittently to reduce bearing wear,

Operator Signature:

le S. Hausen

EMERGENCY CONTACTS:

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

| Dat | te: $\frac{6/3}{19}$ Time: 07/D Inspector Initial | als: | KSH |
|-----|--|-------------------|-------------|
| PR | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec Any leaks, punctures, damage, bulges visible? | ondary co Yes* | ontainment. |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: $4, 621, 140$ (gallons) | rocess T | anks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible? | l tear. Yes | NO |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-202 | | T-2 | 203 |
|--|-----|--------------------|-------|-------|------|------|
| Visible oil leaks from gear box? | | No | Yes* | (No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | 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 ///A Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | g | └(°F | 8 | └┤ °F | 8 | Υ°F |

19 9 Date:

Time: _____ Inspector Initials: _____KG H

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 intermittently to mixers reduce harina wear.

Operator Signature:

Keled. Hann

EMERGENCY CONTACTS:

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

K05 PHASE III O&M ROUTINE INSPECTION FORM Time: 0605 Inspector Initials: K4H 8/4 Date: **PROCESS PIPING INSPECTION** 1. Observe piping between Process Tank secondary containment and FBR secondary containment. Any leaks, punctures, damage, bulges visible? Yes* 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: 4, 621, 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 5. Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks. 6. Is there storm water accumulation in equipment pad sumps?: Yes If Yes, pump storm water into one of the process tanks.

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* | (A) |
| All decant valves and transfer valves locked out?** | Ves | No* | es | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Ves | No* | Yes | No* | Ver | No* | NA | NA |

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

| Date: | 8/4/19 | Time: |
|-------|--------|-------|
|-------|--------|-------|

Inspector Initials: _____KAA

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.)

Mixens run intermittently to reduce bearing wear.

Operator Signature:

gled. Hansin

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 | 100 |
| 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 |

RM KO5 PH 1025 KSH Time: Inspector Initials: Date: PROCESS PIPING INSPECTION 1. Observe piping between Process Tank secondary containment and FBR secondary containment. Any leaks, punctures, damage, bulges visible? Yes* ٧o 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes* 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 4, 676, 395 (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 If Yes, pump storm water into one of the Process Tanks. 6. Is there storm water accumulation in equipment pad sumps?: Yes

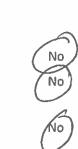
If Yes, pump storm water into one of the process tanks.

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-20 4 | |
|---|-------|-----|-------|-----|-------|-----|---------------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | es | No* | res | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | res | No* | NA | NA |

| | T-201 | | T-202 | | T-2 | 203 |
|--|-------|---------------|-------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | No | Yes* | (19) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | es | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Ves | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | | No* | Yes | (No*) | Yes | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperatureO2Oil temperature | 10 |) <i>0</i> °F | 10 | 2 (°F | 101 | ۴° |



| ASE III O&M ROUTINE INSPECTION | FO |
|--------------------------------|----|
|--------------------------------|----|

5/19 Date:

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.)

intermittently to reduce Miters **NW** bearing weat.

Operator Signature:

l. J. Janson

EMERGENCY CONTACTS:

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

| Dat | te: <u>8/6/19</u> Time: <u>1015</u> Inspector Initi | als: | KSH |
|-----|---|-------------|------------|
| PR | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec | ondary con | tainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of I Flowmeter: 4,676, 395 (gallons) | Process Tan | .ks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | i tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | B M |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-201 | | T-202 | | Т-2 | 203 |
|--|-------|---------|-------|------|------|------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | (No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No*) | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>99</u> Oil temperature | |) 2_ °F | 10 | / °F | 10 | Z_°F |

Date:

Time: _____ Inspector Initials: ____ KG f

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.)

reduce bearing wear. -mi

lid. Han

Operator Signature:

EMERGENCY CONTACTS:

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

Time: 0810 Inspector Initials: KGH Date: **PROCESS PIPING INSPECTION** 1. Observe piping between Process Tank secondary containment and FBR secondary containment. Any leaks, punctures, damage, bulges visible? Yes* Nó 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes* 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 4, 624, 4(05 (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 5. Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks. 6. Is there storm water accumulation in equipment pad sumps?: Yes If Yes, pump storm water into one of the process tanks.

K05 PHASE III O&M ROUTINE INSPECTION FORM

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* | < </td |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-201 | | T-202 | | T-203 | |
|--|-------|-----|-------|-----|-------|-----|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Ves | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u><u> </u></u> | 92 °F | | 9/ °F | | 91 | °۶ |

| Date: | 8/7/19 | |
|-------|--------|--|
| _ | | |

Time: _____ Inspector Initia

Inspector Initials: KSI

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.)

- Mikers run intermittently to reduce bearing weekar

Operator Signature:

yl J. Hanse

| Title | Name | Phone # | Comments |
|---|-----------------|----------------|---|
| Site Implementation Manager | Brad Maynard | (907) 723-2646 | - |
| Field Operations Manager | Kyle Hansen | (801) 949-6663 | 8 |
| Project Manager | David Bohmann | (303) 704-9527 | |
| Program Manager | Dan Pastor | (303) 588-0901 | |
| Site Health & Safety | Karen Luna | (702) 217-8173 | |
| Corporate Health & Safety | Michelle Gillie | (610) 348-7197 | |
| Process Engineer | Courtney Flores | (770) 845-6281 | |
| Emergency Generator (United Rentals) | Heath Barnard | (702) 538 2292 | Reference Quote # 142770051 Reference Customer # 1439334 |

| Dat | te: <u>8/8/19</u> Time: <u>1030</u> Inspector Initials: <u>K5</u> H | _ |
|-----|--|---|
| PR | OCESS PIPING INSPECTION | |
| 1. | Observe piping between Process Tank secondary containment and FBR secondary containment Any leaks, punctures, damage, bulges visible? Yes* No | |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes* | |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: $4, 629, 215$ (gallons) | |
| SEC | CONDARY CONTAINMENT INSPECTION | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and tear. | |
| | Any leaks, punctures, or other damage visible? Yes (No | |
| 5. | Is there storm water accumulation greater than 1 foot? Yes (No) | |
| | If Yes, pump storm water into one of the Process Tanks. | |
| 6. | Is there storm water accumulation in equipment pad sumps?: Yes (No) If Yes, pump storm water into one of the process tanks. | |
| PRO | DCESS TANKS AND DAY TANK INSPECTION | |
| 7. | Perform 360 degree walk around of each tank to inspect for damage or leaks and lock out of valves | |

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

| | T-201 | | T-202 | | T-2 | 203_ |
|---|-------|-------|-------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | (No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | es | No | Yes | No | res | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Ves | No | Yes | No | res | No |
| Mixer running and turbulence/vortex observed?** | Yes | (No*) | Yes | (No*) | Yes | No |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature7 Oil temperature | 9 | 7°F | 9 | 0°F | 9 (| 0°F |

19 Date:

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.)

to reduce bearing wear inter mittently - Mixers CUL I.J. Hansn **Operator Signature:**

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

| | e: $\frac{8/4}{19}$ Time: $\frac{0800}{0800}$ Inspector Init | ials: | KSH |
|----|---|------------|--------|
| 4 | Observe sinise between Process Tank assessment and FRP as | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | \sim |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: <u>4.631,435</u> (gallons) ONDARY CONTAINMENT INSPECTION | Process Ti | anks. |
| 4 | Perform 360 perimeter walk to observe liner system for potential wear an | d tear | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | à |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | Ng |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| ೆಂ | T-201 | | T-202 | | Т-2 | 203 |
|--|-------|------|-------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | es | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | res | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No*) | Yes | (No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>81</u> Oil temperature | 8 | 9 °F | - 83 | Ŝ°F | 8% | °F |

Date:

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.)

run Mermi reduce heard wear

Operator Signature:

les A

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

| Dat | te: <u>6/10/19</u> Time: <u>6/0/0</u> Inspector Initia | als: <u>/</u> | <u>-41</u> |
|-----|--|---------------|------------|
| PR | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR second | ondary contai | nment |
| | 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 F Flowmeter: $4, 631, 435$ (gallons) | rocess Tanks | |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible? | tear. Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |

6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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* | es | No* | NA | NA |

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|-------|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | NO |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | ves | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | (No*) | Yes | No*) | Yes | No |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste /// Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u> </u> | 9 | 3 °F | 92 | °F | 9 | 5 °F |

 (N_{9})

Yes

19 Date:

Time: _____ Inspector Initials: _____K4/4

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.)

to reduce bearing Nikevs intermittenth 1UL Wear.

Operator Signature:

L.S. Hanen

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

| Da | te: <u>8/11/19</u> Time: <u>13,45</u> Inspector Initials: | KGH |
|-----|---|------------|
| PR | OCESS PIPING INSPECTION | |
| 1. | Observe piping between Process Tank secondary containment and FBR secondary Any leaks, punctures, damage, bulges visible? Yes | |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes | s* (No) |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Proce Flowmeter: <u>4</u> , <u>636</u> , <u>640</u> (gallons) | ess Tanks. |
| SEC | ONDARY CONTAINMENT INSPECTION | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and team Any leaks, punctures, or other damage visible? Yes | |
| 5. | Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks. | |
| 6. | Is there storm water accumulation in equipment pad sumps?: Yes | s 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* | res | No* | NA - | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | res | No* | NA | NA |

| Q. | | T-201 | | T-202 | | .03 |
|--|------|-------|------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature() () Oil temperature | 90 | Î °F | 100 | ·) °F | 10 | ¢ °F |

15 Date:

Time:

Inspector Initials:

NOTES:

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

** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

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

COMMENTS:

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

- Mixews run intermittenthe to reduce pearing wear

Operator Signature:

Rel. J. ans

| 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 |

Time: 1200 Inspector Initials: 1294 Date: **PROCESS PIPING INSPECTION** 1. Observe piping between Process Tank secondary containment and FBR secondary containment Any leaks, punctures, damage, bulges visible? Yes* Nó 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: 41, 036, 646 (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 5. Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks. 6. Is there storm water accumulation in equipment pad sumps?: Yes If Yes, pump storm water into one of the process tanks.

K05 PHASE III O&M ROUTINE INSPECTION FORM

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | Т-2 | 202 | Т-2 | 203 |
|---|------|------|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | 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 78 Oil temperature | 9 | 7 °F | 90 | °F ℃ | 9 | 7 °F |

Date:

Time: _____ Inspector Initials: _____ KGI-

NOTES:

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

** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

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

COMMENTS:

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

Mixery run intermittently to reduce hearing wear

Operator Signature:

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

| Date: 8/13/19 Time: 1415 Inspector Init | ials: <u>K</u> q | H |
|---|--------------------------|------|
| PROCESS PIPING INSPECTION | | |
| 1. Observe piping between Process Tank secondary containment and FBR sec Any leaks, punctures, damage, bulges visible? | condary containm Yes* | ent. |
| Observe piping in Process Tank secondary containment area. | (| |
| Any leaks, punctures, damage, bulges visible? | Yes* | No |
| Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: <u>4,637,060</u> (gallons) SECONDARY CONTAINMENT INSPECTION | Process Tanks. | |
| 4. Perform 360 perimeter walk to observe liner system for potential wear and | d tear. | |
| Any leaks, punctures, or other damage visible? | Yes (| No |
| Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes (| No |
| Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |
| PROCESS TANKS AND DAY TANK INSPECTION | | |

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

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

| | Т-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|-----|------|---------------|------|------|
| Visible oil leaks from gear box? | Yes* | NO | Yes* | Nø | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | res | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | res | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste //4 Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>107</u> Oil temperature | (1) | °F | | <i>(</i>) °F | 11 |) °F |

Date:

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.)

to reduce MIXING TUN intermittenth bearing wear.

U.S. Hansn

Operator Signature:

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

| Da | te: <u>8/14/19</u> Time: <u>0737</u> Inspector Initi | als: <u> </u> | 9H |
|----|---|----------------|-------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec | ondary contain | ment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | 2 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of I Flowmeter: <u>4,637,060</u> (gallons) | Process Tanks. | |
| | | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible? | i tear. Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |
| 6. | | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|-------|------|------|------|--------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | res | 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 Oil temperature | 8 | (ĵ °F | 8 | 7 °F | - 84 | ⁊°₽ |

| Date: | 8/14/19 | |
|-------|---------|--|
| | | |

Time:

Inspector Initials: 124H

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.)

intermittent h 1Atters ron to reduce hearing What 61. Hanser

Operator Signature:

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

KO5 PHASE III O&M ROUTINE INSPECTION FORM Date: 6/15/19 Time: 1025 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: 4, 641, 660 (gallons)

SECONDARY CONTAINMENT INSPECTION

- Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes
 Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks.
 Is there storm water accumulation in equipment pad sumps?: Yes
 - 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 |

| | T-2 | 201 | T-2 | 202 | T-2 | 203 ~ |
|---|------|------|------|-----|------|-----------------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | (es) | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature 0^2 Oil temperature | 10 | ∽ °F | 10 | 5°F | 102 | ⁷ °F |

Date:

Time: _____

Inspector Initials:

125H

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.)

SUMW 00 to T-201 to make

Operator Signature:

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

| Dat | e: <u>\$/10/19</u> Time: <u>0910</u> Inspector Initi | ials: | KSH |
|-----|--|--------------|---------|
| PRO | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec | ondary cont | ainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | 3 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 4,645,950 (gallons) | Process Tank | s. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | i tear. | 2 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | |
| 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 | | Т-204 | |
|---|-------|-----|-------|-----|-------|------------------|-------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | es | No* | res |) _{No*} | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|------|------|-----|------|------|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | res | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste //// Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>99</u> Oil temperature | 9 | 7 °F | 7 | 7°F | 9 | Ø °F |

Date:

Time:

Inspector Initials: K4H

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.)

Nixers Wermittent Tu to reduce bear ina FUL Way.

Operator Signature:

gle S. Handen

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

| Dat | e: <u>8/17/19</u> Time: <u>0610</u> In: | spector Initials: | KSA |
|-----|---|-------------------------|------------|
| PRC | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment | and FBR secondary co | ntainment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmer Flowmeter: <u>4</u> , <u>6</u> , <u>9</u> , <u>9</u> , <u>9</u> , <u>6</u> (gallons) | eter east of Process Ta | nks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potent | ial wear and tear. | m |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|------|------|-----|------|-------------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | 16 |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | ves | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | res | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | Ng* | Yes | N0* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste M Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>8</u> 3 Oil temperature | 8 | Z_°F | 8 | ₹°F | 8 | 3 °F |

17/19 Date:

Time: _____ Inspector Initials: _____KGA

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 Jutermittenthe to reduce bearing run Wear

Lyb. S. Hansen **Operator Signature:**

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

| Da | te: <u>8/18/t9</u> Time: <u>0730</u> Inspector Ir | nitials: | 155/1 |
|------------|---|--------------|------------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR s | secondary c | ontainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | Yes* | ALL I |
| _ | Any leaks, punctures, damage, bulges visible? | | in-lin |
| <u>ح</u> . | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: <u>4,649,670</u> (gallons) | of Process 1 | anks. |
| SEG | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear a | and tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | NO T |
| 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* | N |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | es | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| 0 2.2 | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|-------|------|-----|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | NO |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | ves | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u><u>8</u> 2 Oil temperature</u> | 8 | 4(°F | 8 | Υ°F | 8 | ≥_°F |

Date:

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.)

- Mixerg run intermittently to reduce bearing wear

Operator Signature:

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

| Dat | e: <u>8/19/19</u> Time: <u>0755</u> Inspecto | or Initials: | KEH |
|-----|---|--------------------|------------|
| PRC | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FE | BR secondary con | itainment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | Ng |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter ea Flowmeter: 4,649,670 (gallons) | ast of Process Tar | nks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential we | ar and tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | (No) |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | .01 | T-2 | 202 | T-2 | .03 |
|--|-------|-----|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | 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 | Nes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | - Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | ß | Z°F | 8 | 3 °F | 8 | / °F |

Date:

Time: ____

Inspector Initials: K4A

NOTES:

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

** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

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

COMMENTS:

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

run intermitently to reduce bearing wear Nixwa

Operator Signature:

al J. Hance

| 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 |

| | te: 8/20/19 Time: 1832 | Inspector Initials: | KGA |
|-----|--|--------------------------|------------|
| PRO | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment | nt and FBR secondary co | ntainment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flow Flowmeter: $4,652,930$ (gallons) | meter east of Process Ta | inks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for pote | ntial 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. | | 5 |
| 6. | Is there storm water accumulation in equipment pad sumps? If Yes, pump storm water into one of the process tanks. | 2: Yes | (No) |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 03 |
|---|------|-----|------|-----|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | 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 3^{c_1} Oil temperature | 9(|)°F | 9 | (°F | 92 | °F |

Date:

Time: _____

Inspector Initials: _____K4//

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.)

Arion to wouth Ver SUL an ki s -**Operator Signature:** tancis **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 |

| Da | te: 8/21/19 | Time: 1030 | Inspector Initials: | KGH |
|-----|---------------------------|--------------------------------|--------------------------------|--------|
| PR | OCESS PIPING INSPECTION | I | | |
| 1. | Observe piping between l | Process Tank secondary contain | ment and FBR secondary contai | inment |
| | Any leaks, punctures, | damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process | Tank secondary containment a | rea. | 5 |
| | Any leaks, punctures, | damage, bulges visible? | Yes* | No |
| 3. | _ | red Lake Mead Water (SLMW) fl | lowmeter east of Process Tanks | |
| SEC | ONDARY CONTAINMENT | INSPECTION | | |

- Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes
 Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks.
 Is there storm water accumulation in equipment pad sumps?: Yes
 - 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:

| 12 | T-201 | | T-202 | | T-203 | | T-204 | |
|---|-------|-----|-------|-----|-------|-----|-------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | es | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

8. Visual inspection from top of each Process Tank:

| | Т-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|------|------|-----|------|------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | res | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste NA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 90 | °F | 9 | °₽ | .90 | 7 °F |

No

Date:

Time: ____

Inspector Initials: _____ ILS FI

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.)

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1. Have

Operator Signature:

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

| Da | te: <u>8/22/19</u> Time: <u>0950</u> Inspector In | itials: | KGH |
|-----|---|----------------|-----------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR s | econdary con | tainment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | 4 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: | of Process Tan | ıks. |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear a | nd tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|-----|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | AND |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | les | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>95</u> Oil temperature | 9 | 4°F | 9 | 4 °F | 9 | Z °F |

19 Date:

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.)

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Operator Signature:

O. 1 Hannen

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

| Dat | e: <u> 9/23/19</u> Time: <u>0930</u> Inspe | ctor Initials: | KGH |
|-----|---|--------------------|-----------|
| PRO | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and | FBR secondary co | ntainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No |
| | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter Flowmeter: 4,661,510 (gallons) | east of Process Ta | inks. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential v | wear and tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

| | T-2 | 201 | Т-2 | 202 | T-2 | :03 | T-2 | 04 |
|---|------|-----|------|-----|------|-----|------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 _ | Т-2 | 202 | Т-2 | 203 |
|---|------|-------|------|----------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | Ng |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperatureOil temperature | 9 | (°F | 0 | ₹ P°∑ | 9 | ∣ °F |

Date:

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.)

inter mittently reduce In Vixens FUL Wear

Operator Signature:

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

| Da | te: <u>9/24/19</u> Time: <u>6610</u> Inspector Initi | als: | CSH |
|-----|---|--------------|---------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR sec | ondary conta | ainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 2. | Observe piping in Process Tank secondary containment area. | | 0 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: $4,667,120$ (gallons) | Process Tank | S. |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | l tear. | A |
| | Any leaks, punctures, or other damage visible? | Yes | (No) |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|-----|--------------------|-----|------|-----|
| Visible oil leaks from gear box? | Yes* | No |) _{Yes} * | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | res | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | Nor |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature 8 Oil temperature | E | Z°F | 8 | β°F | 82 | °F |

Date:

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 intermittent to Ceduce heering Wear.

Operator Signature:

61.7

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

| Dat | e: <u>8/25/19</u> Time: <u>0738</u> Inspec | ctor Initials: | KSK |
|-----|---|---------------------|-----------|
| PRO | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and | | Itainment |
| | 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 |
| | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter Flowmeter: <u>4,667,120</u> (gallons) | east of Process Tan | nks. |
| | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential v | vear and tear. | 2 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | (No) |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | (No) |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|------|------|-------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | NO |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | res | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | es | No | 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 M Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u><u>86</u> Oil temperature</u> | 8 | ¶ °F | 8 | ଟ °F | 80 | °F |

Date:

Time: _____

Inspector Initials:

K 5 H

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.)

"inter mittenthe to reduce bearing rin wear. Mixurs

Operator Signature:

Roled. Hansen

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

| Date: <u>3/26/19</u> Time: | 15 | 00 | I | nspecto | r Initials: | K | 414 | | |
|--|------------|------------|-----------|-----------|-------------|-----------|-----------|------------------------|--|
| PROCESS PIPING INSPECTION | | | | | | | | | |
| 1. Observe piping between Process Ta | ink secoi | ndary cor | itainmen | it and FB | R second | lary cont | tainment | | |
| Any leaks, punctures, damage, | bulges vi | sible? | | | Y | es* | | $\hat{\boldsymbol{b}}$ | |
| 2. Observe piping in Process Tank seco | ondary c | ontainme | ent area. | | | | Ć | | |
| Any leaks, punctures, damage, | bulges vi | sible? | | | Y | es* | N | 2 | |
| 3. Record reading on Stabilized Lake N | /lead Wa | ter (SLM | W) flowr | neter ea: | st of Pro | cess Tanl | ks. | | |
| Flowmeter: 4, 673, 00 | <u> 00</u> | _ (gallon: | 5) | | | | | | |
| SECONDARY CONTAINMENT INSPECTIO | N | | | | | | | | |
| 4. Perform 360 perimeter walk to obse | erve line | r system | for pote | ntial wea | ir and te | ar. | <i>(</i> | ~ | |
| Any leaks, punctures, or other o | lamage v | /isible? | | | Y | es | | | |
| 5. Is there storm water accumulation g | greater t | han 1 foc | ot? | | Y | es | NO | | |
| If Yes, pump storm water into o | ne of the | e Process | Tanks. | | | | | | |
| 6. Is there storm water accumulation i | in equipr | nent pad | sumps? | : | Y | 25 | (Ng |) | |
| If Yes, pump storm water into o | ne of the | e process | tanks. | | | | \sim | | |
| PROCESS TANKS AND DAY TANK INSPE | CTION | | | | | | | | |
| 7. Perform 360 degree walk around of | each tai | nk to insp | ect for d | lamage c | or leaks a | nd lock o | out of va | lves: | |
| T-201 T-202 T-203 T-204 | | | | | | | 204 | | |
| Visible damage or leaks/stains? | Yes* | No | Yes* | No | Yes* | | Yes* | NO | |
| (inspect all welds and nozzles/valves) | res" | | res | | res | | Tes. | | |
| All deserve unlines and transfer unlines | n | | 2 | | 6 | | | | |

All decant valves and transfer valves No* No* No* NA NA (Yes) Nés) (Yes) locked out?** Are transfer pumps ready for Yes No* No* No* Yes NA NA Yes service?

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|------|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | (Ng) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Tes | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | Not | Yes | No*) | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>D</u> Oil temperature | 11 | O °F | - 11 | °F | 110 |) °F |

Date:

Time: _____

Inspector Initials:

KGA

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.)

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Operator Signature:

gnature: Kill, Jan

| Title | Name | Phone # | Comments |
|---|-----------------|----------------|---|
| Site Implementation Manager | Brad Maynard | (907) 723-2646 | |
| Field Operations Manager | Kyle Hansen | (801) 949-6663 | |
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| 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 |

| | te: $\frac{8/27/19}{1320}$ Time: <u>1320</u> Inspector Initia | als: | KSH |
|-----|---|----------------|----------|
| PR | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR secondary | ondary contair | nment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | NO |
| 2. | Observe piping in Process Tank secondary containment area. | | 2 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P | rocess Tanks. | \smile |
| | Flowmeter: 4, 673,000 (gallons) | | |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | (1) |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | 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* | Ng | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | es | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|------|------|-------------|------|------|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | (No) | Yes* | 6 |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | res | 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 MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 110 |) °F | Π | 0 °F | 10 | 9 °F |

8/27/19 Date:

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.)

run intermittently to reduce bearing wear MIXERS

1. J. Hansu

Operator Signature:

EMERGENCY CONTACTS:

Title Name Phone # Comments Site Implementation Manager **Brad Maynard** (907) 723-2646 **Field Operations Manager Kyle Hansen** (801) 949-6663 **David Bohmann** Project Manager (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 Reference Quote # 142770051 Heath Barnard (702) 538 2292 (United Rentals) Reference Customer # 1439334

Time: 0900 Inspector Initials: <u>LSH</u> 8/28/19 Date: PROCESS PIPING INSPECTION 1. Observe piping between Process Tank secondary containment and FBR secondary containment Any leaks, punctures, damage, bulges visible? Yes* 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? Yes* 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 4,673,000 (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 5. Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks. 6. Is there storm water accumulation in equipment pad sumps?: Yes

K05 PHASE III O&M ROUTINE INSPECTION FORM

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* | Ø |
| All decant valves and transfer valves locked out?** | Yes | No* | ves | No* | es | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | res | No* | Yes | No* | NA | NA |

| | Т-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|------|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | (No) | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | es | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | 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 temperature7 Oil temperature | 90 | ℓ °F | 94 | 5 °F | 99 | °F |

Date:

Time: _____ Inspector Initials: _____K4H

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 bearing Near

Operator Signature:

Ryled. Han

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

| Date: | 20/19 | Time: 1015 | Inspector Initials: | K541 |
|-------------|---------------------|--|---------------------------|--------------|
| PROCESS PI | PING INSPECTION | | | |
| 1. Observe | piping between P | Process Tank secondary contain | nment and FBR secondary | containment. |
| Any | leaks, punctures, (| damage, bulges visible? | Yes* | No |
| 2. Observe | piping in Process | Tank secondary containment | area. | |
| Any | leaks, punctures, o | damage, bulges visible? | Yes* | No |
| | - | ed Lake Mead Water (SLMW) 75, 330 (gallons) | flowmeter east of Process | Tanks. |
| SECONDARY | CONTAINMENT I | NSPECTION | | |
| 4. Perform | 360 perimeter wa | alk to observe liner system for | potential wear and tear. | 5 |
| Any | leaks, punctures, o | or other damage visible? | Yes | (No |
| 5. Is there | storm water accun | nulation greater than 1 foot? | Yes | No |
| lf Ye | s, pump storm wa | ter into one of the Process Tar | nks. | <u>(</u> |
| | | nulation in equipment pad sur | · | No |
| If Ye | s, pump storm wa | ter into one of the process tan | IKS. | |

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:

| 3 | 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 | Nó* | Yes | No* | NA | NA |

| L. C. | T-2 | 201 | T-2 | 202 | T-2 | 03 |
|--|------|-------|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | Ċ | 19 °F | G | 9 °F | 99 | ₿°F |

19 Date:

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.

Time:

** - 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.)

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Operator Signature:

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

| Dat | e: 8/30/19 Time: 0715 Inspector Ini | tials: | KSH |
|-----|---|--------------|---------|
| PRO | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR se | condary cont | ainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | Ň |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 4,681,900 (gallons) | Process Tank | <5. |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear an | d tear. | |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 03 |
|--|------|-------|------|-----|------|-------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | 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 | res | No |
| Mixer running and turbulence/vortex observed?** | Yes | (No*) | Yes | No* | Yes | (No*) |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 95 | °F | 90 | °F | 94 | f°F |

Date:

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:

Emergency Generator

(United Rentals)

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

Mixers inter mittent he to reduce perina UN wear. I Hansu 1 **Operator Signature: EMERGENCY CONTACTS:** Title Name Phone # Comments Site Implementation Manager Brad Maynard (907) 723-2646 Field Operations Manager **Kyle Hansen** (801) 949-6663 **Project Manager** David Bohmann (303) 704-9527 **Program Manager** Dan Pastor (303) 588-0901 Site Health & Safety Karen Luna (702) 217-8173 Corporate Health & Safety Michelle Gillie (610) 348-7197 Process Engineer **Courtney Flores** (770) 845-6281

(702) 538 2292

Heath Barnard

Reference Quote # 142770051

Reference Customer # 1439334

| | te: <u><u><u>3</u></u><u>3</u><u>1</u><u>1</u><u>9</u> Time: <u><u>2015</u> Inspector Initials</u></u> | »К | '4 f) |
|-----|---|--------------|------------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR secon | dary contai | iment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | \bigcirc |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Pro Flowmeter: $4, 681, 900$ (gallons) | ocess Tanks. | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and te | ear. | 2 |
| | • | íes 👘 | No |
| 5. | Is there storm water accumulation greater than 1 foot? | /es | (Ng) |
| | If Yes, pump storm water into one of the Process Tanks. | | |

Is there storm water accumulation in equipment pad sumps?:
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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

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

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | T-2 | 202 | T-2 | .03 |
|---|------|------|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | es | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste /// Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature 100 Oil temperature | 10 | 4 °F | 10 | ≥ °F | 10 | 4 °₽ |

No

Yes

119 31 Date:

Time: _____ Inspector Initials: ____ K42 H

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.)

ixevs_ utermitt NUL b. -en reduce beating Wear

Operator Signature:

5. Hann

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

| Date: | 9 | 1 | 19 | |
|-------|---|---|----|--|
| | | | 1 | |

Time: 0630

Inspector Initials: KSH

Yes

| PR | OCESS PIPING INSPECTION | |
|-----|--|-----------------|
| 1. | Observe piping between Process Tank secondary containment and FBR seconda | ry containment. |
| | Any leaks, punctures, damage, bulges visible? Yes | * No |
| 2. | Observe piping in Process Tank secondary containment area. | 1 |
| | Any leaks, punctures, damage, bulges visible? Yes | * No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Proce | ss Tanks. |
| | Flowmeter: 4, 686, 145 (gallons) | |
| SEC | CONDARY CONTAINMENT INSPECTION | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and tear | ~ ~ |

- Any leaks, punctures, or other damage visible?Yes5. Is there storm water accumulation greater than 1 foot?YesIf Yes, pump storm water into one of the Process Tanks.
- Is there storm water accumulation in equipment pad sumps?:
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

7. Perform 360 degree walk around of each tank to 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? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>87</u> Oil temperature | 80 | °F | 90 | °F | 89 | °F |

k05 Phase III Inspection Form_17011_05

Date:

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.)

NIVery bearing ween. Prince.

Operator Signature:

Hansu

| Title | Name | Phone # | Comments |
|---|-----------------|----------------|---|
| Site Implementation Manager | Brad Maynard | (907) 723-2646 | |
| Field Operations Manager | Kyle Hansen | (801) 949-6663 | |
| Project Manager | David Bohmann | (303) 704-9527 | |
| 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 |

| | te: <u>9/2/19</u> Time: <u>1020</u> Inspector Init | ials: | K41 |
|-----|---|----------------|----------|
| | | | . – |
| 1. | Observe piping between Process Tank secondary containment and FBR sec | condary contai | nment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 2. | Observe piping in Process Tank secondary containment area. | | \smile |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| | | | |
| | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Flowmeter: 4, 686, 145 (gallons) | Process Tanks. | |
| SEU | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | d tear. | - |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | V |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 03 | T-2 | .04 |
|---|------|-----|------|-----|------|-----|------|-----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | NO |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

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

Date:

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.)

to reduce bearing CUL er-mittenthe 14ullar

Operator Signature:

4.S. Hansu

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

| Date: | 9/3 | 1 |
|-------|-----|---|
| | | |

Time: 1230

| Inspector | Initials: | K |
|-----------|-----------|-------|
| ÷ | | |

Yes*

5H

No

PROCESS PIPING INSPECTION

- Observe piping between Process Tank secondary containment and FBR secondary containment

 Any leaks, punctures, damage, bulges visible?
 Yes*
- 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 4,686,145 (gallons)

SECONDARY CONTAINMENT INSPECTION

- Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes
 Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks.
- Is there storm water accumulation in equipment pad sumps?: Yes
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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

| ····· | T-2 | 201 | T-2 | 202 | Т-2 | 203 | Т-2 | 04 |
|---|------|-----|------|-----|------|-------|------|----|
| 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-2 | 201 | T-2 | 202 | Т-2 | 203 |
|--|------|-------|------|-----|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | ves | No | Yes | No | 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?** | | No* | Yes | No* | Yes | No |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>102</u> Oil temperature | 1 (|).3°F | | OZ | / | 0'3F |

k05 Phase III Inspection Form_17011_05

| Date: | 9/2/19 | |
|--------|--------|--|
| | 117 | |
| NOTES: | | |

Time: _____

Inspector Initials: _____K41

* - 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.)

Fedra Mixers intermittent FUIA bearing Wlai

Operator Signature:

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

| Date: | 9 | 4 | 1 | 9 |
|-------|-----|---|---|---|
| | - 7 | | Γ | 1 |

Time: <u>0935</u>

| Inspector | Initials: | K | 54 |
|-----------|-----------|---|----|
| | | | |

Yes*

Yes

PROCESS PIPING INSPECTION

- 1. Observe piping between Process Tank secondary containment and FBR secondary containment.

 Any leaks, punctures, damage, bulges visible?
 Yes*
- Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: <u>4.686,145</u> (gallons)

SECONDARY CONTAINMENT INSPECTION

- Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes
 Is there storm water accumulation greater than 1 foot? Yes If Yes, pump storm water into one of the Process Tanks.
- 6. Is there storm water accumulation in equipment pad sumps?: 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:

| | Т-2 | 201 | T-2 | 202 | T-2 | 203 | T-2 | :04 |
|---|------|-----|------|-----|------|-----|------|-----|
| 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?** | Ves | No* | es | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-201 | | T-202 | | T-203 | |
|---|----------|-----|-------|-----|-------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | (No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Ves | No | (re) | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Ye | No | Yer | No |
| Mixer running and turbulence/vortex observed?** | Yes | Not | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste M Management Plan? | A Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>90</u> Oil temperature | 8 | 9°F | 91 | °F | 9 | °F |

Date:

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.)

1<u>e</u> reduce Nixerg TUN intermitter bearing near

Operator Signature:

led Hans

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

| Da | te: <u>9/5/19</u> Time: <u>100</u> | 00 Inspector Initia | ls: <u>K</u> | 511 |
|-----|--|---------------------|-----------------------|------|
| PR | OCESS PIPING INSPECTION | | | |
| 1. | Observe piping between Process Tank second Any leaks, punctures, damage, bulges visil | | ndary contain Yes* | No |
| 2. | Observe piping in Process Tank secondary con Any leaks, punctures, damage, bulges visil | | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Wate Flowmeter: <u>4,691,445</u> | • • | rocess Tanks. | 2.1 |
| SEC | CONDARY CONTAINMENT INSPECTION | | | |
| 4. | Perform 360 perimeter walk to observe liner s Any leaks, punctures, or other damage vis | | tear. Yes | No |
| 5. | Is there storm water accumulation greater that If Yes, pump storm water into one of the F | | Yes | No |
| 6. | Is there storm water accumulation in equipme | ent pad sumps?: | Yes | (No) |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | Т-2 | 201 | T-2 | 202 | T-2 | 203 | T-2 | .04 |
|---|------|-----|------|-----|------|-----|------|-----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | NØ |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | es | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-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 | res | 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 | res | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>94</u> Oil temperature | 9 | ζ°F | 9 | 15°F | 9 | S °₽ |

19 Date:

Time:

Inspector Initials: Kaff

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.)

intermittenthe to reduce bearing wear - Miters rou

Operator Signature:

Jo S. Hans

| Title | Name | Phone # | Comments |
|---|-----------------|----------------|---|
| Site Implementation Manager | Brad Maynard | (907) 723-2646 | |
| Field Operations Manager | Kyle Hansen | (801) 949-6663 | |
| Project Manager | David Bohmann | (303) 704-9527 | |
| 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 | KO5 PH | HASE III | 0&M | ROUTINE | INSPECTION | FORM |
|--|--------|----------|----------------|---------|-------------------|------|
|--|--------|----------|----------------|---------|-------------------|------|

| Date: | 9/6/19 |
|-------|--------|
| - | |

Time: 0845

| Inspector | Initials: | |
|-----------|-----------|---|
| mapeccor | | - |

Yes*

Yes

KGH

PROCESS PIPING INSPECTION

- I. Observe piping between Process Tank secondary containment and FBR secondary containment.

 Any leaks, punctures, damage, bulges visible?
 Yes*
- 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: <u>4</u>, <u>691</u>, <u>945</u> (gallons)

SECONDARY CONTAINMENT INSPECTION

- Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes
 Is there storm water accumulation greater than 1 foot? Yes
- 6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.

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

K05 Phase III Inspection Form_17011_05

19 916 Date:

Time: _____

Inspector Initials:

KGA

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.)

N Yest searco 7.0 03

Operator Signature:

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

Date:

Time: 0635 Inspector Initials: KGH

Yes*

Yes

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?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.

Flowmeter: 4, 704, 610 (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 5. Is there storm water accumulation greater than 1 foot? Yes
- 6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.

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?** | les | No* | (es) | No* | es | No* | NA | NA |
| Are transfer pumps ready for service? | es | No* | Yes | No* | Yes | No* | NA | NA |

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|------|------|-------|-------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | es | No | Yes | No | (Yes) | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | es | No | Yes | No | New | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste λ [/] Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>28</u> Oil temperature | 8 | 7 °F | 91 | ′2 °F | 8 | 9°F |

k05 Phase III Inspection Form_17011_05

Date:

Time: _____

Inspector Initials:

K511

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.)

Intermittent edoce UVI h Idl M Wear

Operator Signature:

le l'Hansu

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

| Date: | 9/8/19 | |
|-------|--------|--|
| - | -7-7 | |

| Time: | 07 | 22 | |
|-------|----|----|--|
| | / | | |

Inspector Initials: _______

Yes*

PROCESS PIPING INSPECTION

- 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?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 4,710,355 (gallons)

SECONDARY CONTAINMENT INSPECTION

| 4. | Perform 360 perimeter walk to observe liner system for potential wear a | nd tear. |
|----|---|----------|
| | Any leaks, punctures, or other damage visible? | Yes |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes |
| | If Yes, pump storm water into one of the Process Tanks. | |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes |

Is there storm water accumulation in equipment pad sumps?:
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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

| | T-201 | | T-202 | | T-203 | | T-204 | |
|---|-------|-----|-------|-----|-------|-----|-------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | Ng | Yes* | No | Yes* | No | Yes* | 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* | Ves | No* | fes | No* | NA | NA |

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | т-2 | 202 | T-2 | 203 |
|---|------|-----|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | 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 Oil temperature | 8 | °F | 8 | / °F | 8 | ′∂°F |

k05 Phase III Inspection Form_17011_05

KGA

Inspector Initials:

Date: 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.)

Milever NUN intermitent le reduce bearing wear

Operator Signature:

les. Hansen

Time:

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

| Date: | 9/9/19 | |
|-------|--------|--|
| | | |

Time: 1350

Inspector Initials: _____

Yes*

Yes

KSH

| PROCESS | PIPING | INSPECTION |
|---------|--------|-------------------|
| | | •••••• |

- 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?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: <u>4,711,960</u> (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
 5. Is there storm water accumulation greater than 1 foot? Yes
 - If Yes, pump storm water into one of the Process Tanks.
- Is there storm water accumulation in equipment pad sumps?:
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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

| | T-2 | 201 | T-2 | 202 | T-2 | 03 | T-2 | 204 |
|---|------|-----|------|-----|------|-----|------|-----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 | T-2 | .02 | T-2 | 203 |
|---|------|-------|------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | I 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 Oil temperature | - 78 | 3°F | 9 | 7 °F | 9 | 7 °F |

Inspector Initials: ____/CS //

Date: NOTES:

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

Time:

** - 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.)

interm: NUN reduce art

led Hansen **Operator Signature:**

EMERGENCY CONTACTS:

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

Tetra Tech, Inc.

| | te: $\frac{9/10/19}{10}$ Time: 0955 Inspector Initia | als: <u> </u> | <u>-511</u> |
|-----|---|----------------|-------------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR second | ondary contain | iment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* (| No |
| 2. | Observe piping in Process Tank secondary containment area. | | |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P | rocess Tanks. | |
| | Flowmeter: 4, 711, 960 (gallons) | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | ~ |
| | Any leaks, punctures, or other damage visible? | Yes | (No) |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | \smile |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | (No) |

6. Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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* | S |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | [™] NA |
| Are transfer pumps ready for service? | Yes |) No* | Yes | No* | res | No* | NA | NA |

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|------|------|------|------|-------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | es | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | res | No | Yes | No | Te | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | (Ng)* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u><u><u>4</u>5</u> Oil temperature</u> | 8- |) °F | 8 | Ø °F | 8 5 | ∫ °F |

k05 Phase III Inspection Form_17011_05

10/19 Date:

Time:

Inspector Initials: _____

NOTES:

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

** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

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

COMMENTS:

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

rin intermittenth reduce hearing - Milling wear. **Operator Signature:**

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

| Da | te: <u>9/11/19</u> Time: <u>0830</u> Inspector | Initials: | 125H | | | | | | | |
|-----|---|-----------------------|--------------|--|--|--|--|--|--|--|
| PR | PROCESS PIPING INSPECTION | | | | | | | | | |
| 1. | Observe piping between Process Tank secondary containment and FBF Any leaks, punctures, damage, bulges visible? | R secondary o Yes* | containment. | | | | | | | |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No | | | | | | | |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas Flowmeter: <u>4, フロ、タムの</u> (gallons) | t of Process ' | Tanks. | | | | | | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | | | | | | | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear Any leaks, punctures, or other damage visible? | r and tear. Yes | No | | | | | | | |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No | | | | | | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | (No) | | | | | | | |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-201 | | T-202 | | T-203 | | T-204 | |
|---|-------|-----|-------|-----|-------|-----|-------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | 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 | | 203 |
|--|------|-------|------|-------|------|-----|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | res | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | | No | Yes | No*) | Yes | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 7 | ୪ °F | 7 | 7 °F | 7 | 9°F |

K05 Phase III Inspection Form_17011_05 Page 1 of 2

Date:

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.)

to reduce TUN

Operator Signature:

aled Hausen

Time:

| 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 | | | | | | | | |
|-----|--|------------------------|----|--|--|--|--|--|--|
| Dat | te: <u>9/12/19</u> Time: <u>1145</u> Inspector Initi | als: <u>4</u> 9 | A | | | | | | |
| PR | DCESS PIPING INSPECTION | | | | | | | | |
| 1. | Observe piping between Process Tank secondary containment and FBR secondary leaks, punctures, damage, bulges visible? | ondary contain Yes* | No | | | | | | |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No | | | | | | |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of F Flowmeter: <u>4,717,960</u> (gallons) | Process Tanks. | | | | | | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | | | | | | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible? | tear. Yes | No | | | | | | |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No | | | | | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No | | | | | | |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-201 | | T-2 | 202 | T-2 | 203 |
|---|-------|-------|------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | es | No | es | No |
| Mixer running and turbulence/vortex observed?** | | No* | Yes | (No*) | Yes | (No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste M Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>90</u> Oil temperature | 9 | ⊂Z °F | 9 | / °F | 97 | 7_°F |

Date:

Time:

Inspector Initials: 14/

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.)

ru ruter mittently to reduce hearing Mixer weer.

Operator Signature:

e.S. Hanser

| 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 | | | | | | |
|---|---|------------------|------|--|--|--|
| Da | te: <u>9/13/19</u> Time: <u>-1(00</u> Inspector | Initials:K | 41 | | | |
| PR | OCESS PIPING INSPECTION | | | | | |
| 1. | Observe piping between Process Tank secondary containment and FB | | | | | |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) | | | |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No | | | |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter eas Flowmeter: $4,717,960$ (gallons) | t of Process Tan | iks. | | | |
| SE | CONDARY CONTAINMENT INSPECTION | | | | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wea | | | | | |
| | Any leaks, punctures, or other damage visible? | Yes | No | | | |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No | | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No | | | |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | :03 |
|---|------|------|------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | Ro |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Nes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No*) | Yes | No* | Yes | No*) |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MAN Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperatureO Oil temperature | 91 | °F | 9 | () °F | 90 | °F |

13/19 9 Date:

Time:

Inspector Initials: ____//__/

NOTES:

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

** - Active sediment washing requires occasional shutdown of mixers and opening of decant valves. Notify Site Implementation Manager immediately if this condition is observed and active washing is not occurring.

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

COMMENTS:

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

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Operator Signature:

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

| Da | te: <u>9/14/19</u> Time: <u>0555</u> Inspect | tor Initials: | 1641 |
|-----|--|---------------------|-----------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and f | FBR secondary con | tainment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 2. | Observe piping in Process Tank secondary containment area. | | S |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter e | east of Process Tan | ks. |
| | Flowmeter: 4,723,030 (gallons) | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential w | ear and tear. | 2 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |

Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks.

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:

Yes

| | T-201 | | T-202 | | T-203 | | T-204 | |
|---|-------|-----|-------|-----|-------|-----|-------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | 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-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|-----|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | res | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | (No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u><u><u>7</u>K</u> Oil temperature</u> | 19 | °F | 10 | Û °F | 98 | °F |

K05 Phase III Inspection Form_17011_05

| Date: | 9/14/19 |
|-------|---------|
| | // |

Time:

Inspector Initials: ____KSA

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 run intermitte educe wear rearing

Operator Signature:

6.J. Hanen

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

| Dat | te: <u>9/15/19</u> Time: <u>1000</u> Inspector Initia | als:/ | 41 |
|-----|---|----------------|------|
| PR | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR second | ondary contain | ment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | A |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P | rocess Tanks. | |
| | Flowmeter: 4,723,030 (gallons) | | |
| SEC | ONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | NO |
| | If Yes, pump storm water into one of the Process Tanks. | | A |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 02 | T-2 | .03 | T-2 | 204 |
|---|------|-----|------|-----|------|-----|------|-----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | res | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 | T-2 | .02 | T-2 | .03 |
|--|------|------|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No) | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | res | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste NA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 9 | 7Z₽F | 9 | / °F | 93 | °F |

| Date: | 9/15/19 | |
|-------|---------|--|
| | / / / | |

Time:

Inspector Initials: KSI

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.)

- Mixu's Nu intermittenthe to reduce bearing Wear

Operator Signature:

yled Hansen

| 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 | 6 Thurless. |
| 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 | |
|-----|--|-----------------------|------------|
| Da | te: <u>9/16/19</u> Time: <u>1025</u> Inspector Initia | ls: | <u>-9H</u> |
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR secondary leaks, punctures, damage, bulges visible? | ndary contain Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | M |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P Flowmeter: <u>4, 723, 030</u> (gallons) | rocess Tanks. | Ū. |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible? | tear. Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

| | T-2 | 201 | T-2 | 202 | T-2 | .03 | T-2 | 204 |
|---|------|-----|------|-----|------|-----|------|-----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Nes | No* | Yes | No* | NA | NA |

| < | T-2 | .01 | T-2 | 202 | T-2 | 203 |
|--|------|-------|------|-------|------|-------|
| Visible oil leaks from gear box? | Yes* | NO | Yes* | (No) | Yes* | |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | ves | No | Ves | 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 MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 9 | 3 °F | 9 | ₹°F | 97 | 5°F |

16/19 Date:

Time:

Inspector Initials: _____ KGIA

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.)

to reduce bearing wear infer mittent h Mixeus run

Operator Signature:

1. Hans

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

| Date: _ | 9/17/19 |
|---------|---------|
| _ | |

Time: 0840

KGH Inspector Initials: _

Yes*

Yes

Yes

PROCESS PIPING'INSPECTION

- Any leaks, punctures, damage, bulges visible?
 Yes*
- 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: <u>4, 729, 130</u> (gallons)

SECONDARY CONTAINMENT INSPECTION

- Perform 360 perimeter walk to observe liner system for potential wear and tear. Any leaks, punctures, or other damage visible? Yes
- Is there storm water accumulation greater than 1 foot?
 If Yes, pump storm water into one of the Process Tanks.
- Is there storm water accumulation in equipment pad sumps?:
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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

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

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | T-2 | 202 | Т-2 | 203 |
|--|------|-----|------|------|----------------|------|
| Visible oil leaks from gear box? | Yes* | NO | Yes* | (No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | les | 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 | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperatureO Oil temperature | 77 | °F | 7 | 7 °F | $\overline{2}$ | ✓ °F |

k05 Phase III Inspection Form_17011_05



Date:

Time:

Inspector Initials: _____ICSH

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.)

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Operator Signature:

6 S. Hour

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

...

| Date: | 9/1 | 8/19 | |
|-------|-----|------|--|
| | | _// | |

Time: 0930

Inspector Initials: ____

Yes*

Yes

Yes

| K | 4 | 4 | |
|---|---|---|--|
| | | | |

No

PROCESS PIPING INSPECTION

- 1. Observe piping between Process Tank secondary containment and FBR secondary containment.

 Any leaks, punctures, damage, bulges visible?
 Yes*
- 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks.
 Flowmeter: <u>4, 729, 130</u> (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
- Is there storm water accumulation greater than 1 foot?
 If Yes, pump storm water into one of the Process Tanks.
- Is there storm water accumulation in equipment pad sumps?:
 If Yes, pump storm water into one of the process tanks.

PROCESS TANKS AND DAY TANK INSPECTION

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

| N. (1 | T-201 | | T-202 | | T-203 | | T-204 | |
|---|-------|-----|-------|-----|-------|-----|-------|----|
| Visible damage or leaks/stains? (inspect all welds and nozzles/valves) | Yes* | No | Yes* | No | Yes* | No | Yes* | No |
| All decant valves and transfer valves locked out?** | Ves | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Ves | No* | Yes | No* | Yes | No* | NA | NA |

| | T-201 | | T-202 | | T-203 | |
|--|-------|------|-------|------|-------|-----|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | No | Yes* | NO |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | es | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | (No) | Yes | No |
| Mixer running and turbulence/vortex observed?** | Hes | No* | Yes | No* | (Yes) | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | ר | & °F | 7 | 9°F | 78 | °F |

18/19 Date:

Inspector Initials: K-SA

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.)

prior to manif Samp Miters opera

Operator Signature:

yle S. Hans

Time:

| 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 F | ORM | |
|-----|--|-----------------------|-----|
| Dat | te: <u>9/19/19</u> Time: <u>0850</u> Inspector Initials | :: <u>K</u> | 511 |
| PR | DCESS PIPING INSPECTION | | |
| 1. | | dary containı (es* | No |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | (es* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Pro Flowmeter: 4,729,368 (gallons) | cess Tanks. | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and te Any leaks, punctures, or other damage visible? | es. | No |
| 5. | Is there storm water accumulation greater than 1 foot? Y If Yes, pump storm water into one of the Process Tanks. | /es | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: Y If Yes, pump storm water into one of the process tanks. | ′es | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|------|------|------|------|------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | (No) | Yes* | (No) |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | es | 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 $\underline{\$0}$ Oil temperature | 87 | °F | 81 | °F | Z | , °F |

9/19 Date:

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.)

HUG Wear

Operator Signature:

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

| Da | te: $\frac{9/20/19}{1300}$ Time: <u>1300</u> Inspector Initia | als: <u></u> <u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u> | ; H |
|-----|--|--|-----|
| PR | DCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR secondary leaks, punctures, damage, bulges visible? | ondary containm Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of P Flowmeter: 4,736, 870 (gallons) | rocess Tanks. | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and Any leaks, punctures, or other damage visible? | tear. Yes | NR |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

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

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

| Date: | 9/20/19 |
|-------|---------|
| | / / |

Time: _____

Inspector Initials: KGA

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.)

NU intermitt Minury to reduce pearing wear.

Operator Signature:

I. J. Hansen

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

Date:

Time: <u>6610</u> Inspector Initials: <u>K4A</u>

Yes*

Yes

PROCESS PIPING INSPECTION

- 1. Observe piping between Process Tank secondary containment and FBR secondary containment Any leaks, punctures, damage, bulges visible? Yes*
- 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 4, 736, 875 (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 5. Is there storm water accumulation greater than 1 foot? Yes
- If Yes, pump storm water into one of the Process Tanks. 6. Is there storm water accumulation in equipment pad sumps?:
 - 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* | |
| All decant valves and transfer valves locked out?** | Yes | No* | Yes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-2 | 201 | T-2 | 202 | T-203 | |
|---|------------------|------|------|---------|-------|-----|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Yes | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | es | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | (_{Yes} | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 7° | ¶°F | 80 | ン。 ト | 79 | ٩° |

Date:

Time: _

Inspector Initials: _____KG/

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.)

NOIR 1cn weer

Operator Signature:

I. Har

| 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 INSPEC | TION FORM | |
|----|---|-------------------|------------|
| Da | te: <u>9/22/19</u> Time: <u>1415</u> Inspect | or Initials: | K4H |
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and F | BR secondary co | ntainment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | (No) |
| 2. | Observe piping in Process Tank secondary containment area. | | |
| | Any leaks, punctures, damage, bulges visible? | Yes* | NO |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter e | ast of Process Ta | nks. |
| | Flowmeter: 4, 73.6, 875 (gallons) | | |
| SE | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential we | ar and tear. | |
| | Any leaks, punctures, or other damage visible? | Yes | 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. | | <u> </u> |

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

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

22/19 Date:

Time:

Inspector Initials: ____KGA

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.)

Nixers intermittentl run r-Educe bear va Weav.

Operator Signature:

led. Hane

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

| Da | te: <u>9/23/19</u> Time: <u>1230</u> Inspe | ctor Initials:/ | KGH |
|----|---|-----------------------|------------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and | I FBR secondary conta | ainment |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | 6 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter Flowmeter: $4,742,510$ (gallons) | east of Process Tank | s. |
| SE | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential w | wear and tear. | \bigcirc |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | 12 |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

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

23/19 Date:

Time:

run intermittently

Inspector Initials:

to reduce bearing ween.

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:

Mixers

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

het. Hanse

Operator Signature:

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

| Date: | 9/24/19 |
|-------|---------|
| _ | |

Time: <u>1500</u> Inspector Initials:

Yes*

Yes

K44

PROCESS PIPING INSPECTION

- 1. Observe piping between Process Tank secondary containment and FBR secondary containment Any leaks, punctures, damage, bulges visible? Yes*
- 2. Observe piping in Process Tank secondary containment area. Any leaks, punctures, damage, bulges visible?
- 3. Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of Process Tanks. Flowmeter: 41743,070 (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 |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes |
| | If Yes, pump storm water into one of the Process Tanks. | |

6. Is there storm water accumulation in equipment pad sumps?: 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-2 | 201 T-2 | | 202 | T-2 | T-203 | |
|--|------|---------|------|------|------|-------|--|
| Visible oil leaks from gear box? | Yes* | No) | Yes* | No | Yes* | NO | |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | Ves | No | es | No | |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | Yes | No | Yes | No | |
| Mixer running and turbulence/vortex observed?** | | No*) | Yes | No* | Yes | Nor | |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste ///A Management Plan? | | No* | Yes | No* | Yes | No* | |
| Ambient air temperature Oil temperature | 94 | °F | 94 | / °F | 95 | °F | |

k05 Phase III Inspection Form_17011_05

Date: 9/24/19

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.)

intermittenth to reduce bearing 1 Kera ron wear

Operator Signature:

1. Hanen

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

| Da | te: <u>9/25/19</u> Time: <u>0930</u> Inspector Init | ials: | 2411 | | | | | |
|-----|---|---------------|------------|--|--|--|--|--|
| PR | OCESS PIPING INSPECTION | | | | | | | |
| 1. | 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 Flowmeter: 4,743,070 (gallons) | Process Tanks | | | | | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | | | | | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | l tear. | \bigcirc | | | | | |
| | Any leaks, punctures, or other damage visible? | Yes | No | | | | | |
| 5. | Is there storm water accumulation greater than 1 foot? If Yes, pump storm water into one of the Process Tanks. | Yes | No | | | | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No | | | | | |

PROCESS TANKS AND DAY TANK INSPECTION

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

| | T-201 | | T-2 | .02 1 | | 03 | 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* | fes | No* | Yes | No* | NA | NA |
| Are transfer pumps ready for service? | Yes | No* | Yes | No* | Yes | No* | NA | NA |

| | T-201 | | T-2 | 202 | T-2 | 203 |
|--|-------|-----|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | | No | ves | No | es | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | es | No | (es | No |
| Mixer running and turbulence/vortex observed?** | | No* | Yes | No | Yes | NO |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | 7' | °₽ | 70 | 7 °F | 7 | 8°F |

| Date: | 9/25/19 | |
|-------|---------|--|
| | / // | |

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.)

intermittently to reduce - MAUNS bearing wear. -un

Operator Signature:

Kyled Hanen

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

| Da | te: <u>9/z6/19</u> Time: <u>1600</u> Inspector Initia | als:/< | 1.511 |
|-----|---|----------------|-------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR second | ondary contain | ment. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | 2 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | Record reading on Stabilized Lake Mead Water (SLMW) flowmeter east of F Flowmeter: $4,750,350$ (gallons) | rocess Tanks. | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | • |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | No |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|-----|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | res | No | Aes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | | No | res | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | No* |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste // / Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | Ø | °F | 4 | & °F | 87 | °F |

9/26/19 Date:

Time: 1600

Inspector Initials:

KGA

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.)

Hers reduce varina wear 000 Gallous -702 7-203 CO

Operator Signature:

. J. Ha

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

| Da | te: <u>9/27/19</u> Time: <u>1000</u> Inspector Initi | ats:/ | 24 <u>H</u> |
|-----|---|---------------|-------------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR second | ondary contai | nmen |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | à |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | | rocess Tanks. | <u> </u> |
| | Flowmeter: 4,750, 680 (gallons) | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | \leq |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | No |
| | If Yes, pump storm water into one of the process tanks. | | \smile |

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 |

| 0 | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|--|------|-----|------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | (No) | Yes* | NØ |
| 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 | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | Yes | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>84</u> Oil temperature | 8 | 5°₽ | 8 | 4°F | 8 | ζ°F |

| Date: | 9/ | 27 | 119 | |
|-------|----|----|-----|--|
| | 1 | 1 | | |

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 intermittently to reduce bearing wear. Mixers

Operator Signature:

I Hansen

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

| Da | te: <u>9/28/19</u> | Time: <u>67/10</u> | Inspector Initials: | KG(|
|-----|--|--|---|-------------------|
| PR | / / OCESS PIPING INSPECTION | | | |
| 1. | Observe piping between Pr Any leaks, punctures, d | ÷ | tainment and FBR secondary o Yes* | ontainment. No |
| 2. | Observe piping in Process T Any leaks, punctures, d | - | nt area. Yes* | No |
| 3. | - | d Lake Mead Water (SLM) | W) flowmeter east of Process T ;} | anks. |
| SEC | ONDARY CONTAINMENT IN | ISPECTION | | |
| 4. | Perform 360 perimeter wal | k to observe liner system f | for potential wear and tear. | |
| | Any leaks, punctures, o | r other damage visible? | Yes | (Ng) |
| 5. | Is there storm water accum | ulation greater than 1 foo | t? Yes | Nd |
| | If Yes, pump storm wate | er into one of the Process | Tanks. | |
| 6. | Is there storm water accum If Yes, pump storm wate | ulation in equipment pad er into one of the process | • | (No) |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

| | T-2 | T-201 | | 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? | Wes | No | Ves | No | Yes | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | res | No | Yes | No | Yes | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | (No*) | Yes | Nor |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste MA Management Plan? | | No* | Yes | No* | Yes | No* |
| Ambient air temperature <u>77</u> Oil temperature | 70 | °F | 71 | ∕g °F | 75 | ∕ °F |

28/19 Date:

Time:

Inspector Initials: _____K_/

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.)

to reduce Micera er mittentl ÙЛ 1 Ween bean **Operator Signature:**

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

| | K05 PHASE III | O&M ROUTINE | INSPECTION FORM |
|--|----------------------|------------------------|------------------------|
|--|----------------------|------------------------|------------------------|

| Da | te: <u> 1/29/19</u> Time: <u>1445</u> Inspector In | itials: | KGH |
|-----|---|--------------|-------------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR se | econdary co | intainment, |
| | 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 o Flowmeter: $4,757,245$ (gallons) | f Process Ta | anks. |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear a | nd tear. | \sim |
| | Any leaks, punctures, or other damage visible? | Yes | (No) |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | No |
| | If Yes, pump storm water into one of the Process Tanks. | | |
| 6. | Is there storm water accumulation in equipment pad sumps?: If Yes, pump storm water into one of the process tanks. | Yes | (No/ |

PROCESS TANKS AND DAY TANK INSPECTION

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

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

8. Visual inspection from top of each Process Tank:

| | T-2 | 201 | T-2 | 202 | T-2 | 203 |
|---|------|-----|-------|------|------|-----|
| Visible oil leaks from gear box? | Yes* | No | Yes* | No | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | ves | No | Yes | No | Ves | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Tres | No | ves . | | 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 Oil temperature | 79 | °F | 6 | Ó °F | 79 | °F |

k05 Phase III Inspection Form_17011_05

29/19 Date:

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.)

indermitter Nieve Cun UCP reach l S. Hann **Operator Signature:**

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

| Da | te: <u>9/30/19</u> Time: <u>1200</u> Inspector Initia | als: <u>K</u> | 94 |
|-----|---|-----------------|-------|
| PR | OCESS PIPING INSPECTION | | |
| 1. | Observe piping between Process Tank secondary containment and FBR second | ondary containr | nent. |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 2. | Observe piping in Process Tank secondary containment area. | | 2 |
| | Any leaks, punctures, damage, bulges visible? | Yes* | No |
| 3. | | rocess Tanks. | - |
| | Flowmeter: 4,757,265 (gallons) | | |
| SEC | CONDARY CONTAINMENT INSPECTION | | |
| 4. | Perform 360 perimeter walk to observe liner system for potential wear and | tear. | 0 |
| | Any leaks, punctures, or other damage visible? | Yes | No |
| 5. | Is there storm water accumulation greater than 1 foot? | Yes | (No) |
| | If Yes, pump storm water into one of the Process Tanks. | | X |
| 6. | Is there storm water accumulation in equipment pad sumps?: | Yes | (No) |

| DROCECE | TANUC | | DAV | TANK | INCOCCTION |
|---------|--------|-----|-----|-------|------------|
| PROUESS | LAINKS | AND | DAT | TAINK | INSPECTION |

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

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

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

| | T-201 | | T-202 | | Т-2 | 203 |
|---|-------|-----------------|-------|-------|------|------|
| Visible oil leaks from gear box? | Yes* | (No) | Yes* | (No) | Yes* | No |
| Has routine wash down of precipitate/crystals on tank sides and mixer impeller been completed? | Yes | No | les | No | res | No |
| Mixer off as part of sediment washing process? If Yes, draw an "X" through answers to next question. | Yes | No | Yes | No | Ves | No |
| Mixer running and turbulence/vortex observed?** | Yes | No* | Yes | No* | Yes | Not |
| Are used oil containers labelled and stored appropriately, in accordance with the Site Waste Management Plan? | Yes | No [*] | Yes | No* | Yes | No* |
| Ambient air temperature Oil temperature | יר | -(°F | 75 | °F | 7 | ₹ °F |

9/30/19 Date:

Time: ____

Inspector Initials: ____KG [-]

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.)

what 40 Cun Fidure Million pear win

Operator Signature:

Kyled Hansen

| 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 FOR | М | |
|-----|-------|--|-------|----|
| Da | te: _ | <u>63019</u> Time: 0900 Inspector Initials: <u>-</u> | TR/JB | _ |
| IN: | 5PEC | T MATERIALS AND PARTS | _ | |
| 1. | Are | e all spare parts present?: If no, list which parts need to be ordered and inform Site Implementation Mana | Yes | No |
| 2. | Are | all safety materials, resources, and supplies to perform work present? If no, list what needs to be ordered and inform Site Implementation Manager: | Yes | No |
| | | ······································ | | |

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 | $\overline{\mathbf{V}}$ | |
|-------|-------------------------|----|
| P-202 | | |
| P-203 | | |
| P-204 | $\overline{\mathbf{V}}$ | |
| P-205 | | |
| P-206 | $\overline{\mathbf{A}}$ | 20 |

HIGH-HIGH LEVEL ALARMS INSPECTIONS

4. Check if the high-high level warning alarm system is in good condition for each tank. Provide notes and contact the Site Implementation Manager if any repairs are required:

| | T-2 | 201 | т-а | 202 | Т-2 | 203 | T-2 | 204 |
|--|------|------|-------|------|------|------|-------|------|
| Check what level the High-High alarm signals – is it consistent with the set points? | Yes | No* | Yes | No* | Yes | No* | Yes | No* |
| Test reset procedure – were there any issues? | Yes* | (No) | Yes* | (No) | Yes* | (No) | Yes* | No |
| Are all alarm status lights in good working order? | Yes | No* | Yes | No* | Yes | No* | 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:_____

K05 PHASE III O&M MONTHLY INSPECTION FORM

Date:

Time: <u>0900</u> Inspector Initials: JR/JB

INSPECT PROCESS TANK MIXERS

5. Visual inspection from top of each Process Tank:

| | T-2 | T-201 | | T-202 | | 203 |
|---|------|-------|------|-------|-------------|-----|
| Is there adequate oil in Process Tank mixer motors? | Yes | No* | Yes | No* | Yes | No* |
| Control panel mixer run time** | 9521 | / hrs | 1590 | / hrs | nrs 9654.81 | |

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:

| | Date of Next | |
|--|-----------------------|----------|
| | Replacement or | |
| Activity | Maintenance | Comments |
| Replace 3" decant transfer hoses | 2/1/2020 | |
| Replace 3" solid transfer hoses | 2/1/2020 | |
| Replace 1.5" SLMW flush hose | 2/15/2020 | |
| Replace 3" stainless steel doublesphere expansion joints | 2/1/2020 | |
| Replace air compressor filter element | 10/16/2022 | |
| ervice air compressor | 1/26/2021 | |
| Change process tank mixer gear box oil** | 114/2020 | |
| Grease gear seals on process tank mixer | 12/21/2019 | |

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 = 1,276.2 hours, M-202 = 1,253.2 hours, M-203 = 1,277.5 hours

COMMENTS:

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

Operator Signature:

K05 PHASE III O&M MONTHLY INSPECTION FORM

Date: \$39/19

Time: 0900 Inspector Initials: JR/JB

| 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: <u>9/39/19</u> | Time: <u>0600</u> In: | spector Initials: <u>JRB</u> | | | | | |
| INSPECT MATERIALS ANI | PARTS | | | | | | |
| 1. Are all spare parts pr | esent?: | Yes | No | | | | |
| If no, list which p | arts need to be ordered and inform Site In | nplementation Manager: | | | | | |
| | | | | | | | |
| 2. Are all safety materia | ls, resources, and supplies to perform wo | rk present? (Tes | No | | | | |
| If no, list what ne | eds to be ordered and inform Site Implem | entation 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 | \checkmark | All transfer pumps are in good condition and working order |
|-------|--------------|--|
| P-202 | \checkmark | |
| P-203 | \checkmark | |
| P-204 | \checkmark | |
| P-205 | \checkmark | |
| P-206 | V | |

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-3 | 201 | T-2 | 202 | T-2 | 203 | T-2 | 204 |
|---|------|------|-------|-----|-------------|------|------|-----|
| Check what level the High-High alarm signals – is it consistent with the set points? | (Te) | No* | ß | No* | ſes | No* | œ | No* |
| Test reset procedure - were there any issues? | Yes* | NO | Yes* | 10 | Yes* | No | Yes* | (A) |
| Are all alarm status lights in good working order? | Tes | No* | (Yes) | No* | Yes | No* | (es | No* |
| Are the shut-off devices in good working order? | Ves | No* | Tes | No* | <i>i</i> es | No* | Yes | No* |
| Visible damages to the alarm cords and cables? | Yes* | (Na) | Yes* | 1 | Yes* | (ND) | Yes* | No |

Notes:

K05 PHASE III O&M MONTHLY INSPECTION FORM

Date: 9/30/19

Time: <u>0600</u>

Inspector Initials: JRB

INSPECT PROCESS TANK MIXERS

5. Visual inspection from top of each Process Tank:

| | T-2 | T-201 | | 202 | T-203 | | |
|---|------|-------|-------|-------|-------|-------|--|
| Is there adequate oil in Process Tank mixer motors? | | No* | (Ve) | No* | ø | No* | |
| Control panel mixer run time** | 9521 | g hrs | 9590. | 💪 hrs | 9655. | 3 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 | 2/1/20 | comments |
| Replace 3" solid transfer hoses | 2/1/20 | |
| Replace 1.5" SLMW flush hose | 2/15/20 | |
| Replace 3" stainless steel doublesphere expansion joints | 2-11/20 | |
| Replace air compressor filter element | 10/16/22 | · · · · |
| Service air compressor | 1/26/21 | · · · · · · · · · · · · · · · · · · · |
| Change process tank mixer gear box oil** | 1/4/20 | |
| Grease gear seals on process tank mixer | 12,61/10 | |

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 = 1,276.2 hours, M-202 = 1,253.2 hours, M-203 = 1,277.5 hours

COMMENTS:

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

Operator Signature:

K05 Phase III Inspection Form_17011_03

Page 2 of 3

Tetra Tech, Inc.

K05 PHASE III O&M MONTHLY INSPECTION FORM

9/30/19 Date: ___

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ł

Time: 0600 Inspector Initials: JRB

| 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 |