ATTACHMENT F MONITORING WELL SAMPLING LOGS



CAMP MINDEN - AREA I DESTRUCTION SITE GROUNDWATER SAMPLING EVENT WATER LEVEL MEASUREMENTS

| | | N 655 S 151 S 1 | Water | Level | |
|----------|-----------|----------------------|-------|--------|-----------------|
| WELL NO. | DATE | TOC Elev. Ft. MSL | Depth | Elev. | TOTAL WELL dept |
| MW-1 | 8.31.2015 | 205.10 | 23.10 | 182.06 | 33.08 |
| MW-2 | | | 23.85 | 182.22 | 32.89 |
| MW-3 | | 204.14 | | 181.62 | 32.42 |
| MW-4 | | 203.66 | | 181 48 | 32.91 |
| MW-5 | | | 22.74 | | 30.30 |
| MW-6 | V | | 21.22 | | 30.18 |
| | | | | | |
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| | Project: | | Camp Mine | len – Area I I | Disposal Site | | | |
|-------------------------------------|---|--|---|---|------------------------------------|---|---|-------------------------------------|
| | Project No.: | | 750-0001 | | | | | |
| | Site Location | | Minden, Lo | uisiana | | | | |
| | Monitor We | ll No.: | MW- | | | | | |
| | Date Purged | l/Sampled | | 015 Samp | led By: | 3D | | |
| | | | | | | | | |
| | NITOR WEL | | | | | | | |
| Total I | Depth of Monit | or Well (1 | TD): 33.08 | ft. Purgo | Flow Rate: | | mL/mi | |
| Static De | epth to Ground | water (DT | W): 23.10 | 11. | riow Rate: | | 1, 1,000,000,000,000,000,000,000,000,000 | п |
| | | | ogs: 10 | | ne Purged: | 4.5 | gallons | 6) |
| Depth to T | Top of Well Scr | reen (TD- | SL): 23.08 | ft. Date | e/Time of | 7 THE | | |
| leight of W | ater Column (H | H=TD-DT | W): 9.98 | A | ample: 5 | 3 31/15@ | 1300Time | |
| | | | | | | | | |
| | ورواها المتعاد والمتعاد | | LL CASING V | | | | | |
| 2" | Well (H x 0.16 | 3 gal/ft) | ga | ıl. (1 well volu | ime) | 4.9 | gal. (3 well v | |
| □ 4" | Well (H x 0.65 | The same of the sa | | ıl. (1 well volu | ıme) | | gal. (3 well v | olumes) |
| | | | ther: | | | | | |
| | | | | | | | | |
| Lo | eristaltic Pump ow-flow Subme ater Well | | mp | PO L | | o nersible Pur Dedicated | mp | osable |
| ☐ Lo | eristaltic Pump ow-flow Subme | ersible Pur | mp =>_ | Po D L B | eristaltic Pumpow-flow Submailer | o nersible Pur Dedicated | mp | |
| ☐ Lo | eristaltic Pump ow-flow Subme ater Well | ersible Pur | mp | Po D L B | eristaltic Pumpow-flow Submailer | o nersible Pur Dedicated | mp | |
| Lo | eristaltic Pump ow-flow Subme ater Well | ersible Pur | mp W-FLOW MOI | P. L. B. C. O | eristaltic Pumpow-flow Submailer | o nersible Pur Dedicated | mp | |
| D Co | eristaltic Pump ow-flow Subme ater Well ther (Specify) | Essible Pur | mp W-FLOW MOI Specific | P. L. B. O. | eristaltic Pumpow-flow Subnailer | nersible Pur Dedicated | Dispo | osable |
| Time hr/min | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% | DTW feet |
| Time | eristaltic Pump ow-flow Submo ater Well ther (Specify) 1 | Espire Pur | W-FLOW MOI Specific Conductivity | PO L B O O O O O O O O O O O O O O O O O | eristaltic Pumpow-flow Subnailer | nersible Pur Dedicated ERS | Turbidity NTU or FTU | DTW feet |
| Time hr/min | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization Criteria | eristaltic Pump ow-flow Subme fater Well ther (Specify) Flow Rate mL/min 100 - 500 mL/min | Temp. | W-FLOW MOI Specific Conductivity mS/cm | P. L. B. O. O. Dissolved Oxygen mg/L | eristaltic Pump ow-flow Subn ailer | nersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |

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ow-Flow GW Sampling Log

| | Project: | | Camp Mind | len – Area I I | Disposal Site | | | |
|--|---|--|---|---|---|---------------------------------------|-----------------------------------|------------------------------|
| | Project No.: | | 750-0001 | | | | | |
| | Site Location | n: | Minden, Lo | uisiana | | | | |
| | Monitor We | Il No.: | MW- 2 | | 477 | | | |
| | Date Purged | /Sampled | 8.31.2 | 015 Samp | led By: | 3D | | |
| Total I Static De Screen Le Depth to T Height of W | epth to Grounderigth (SL) from Top of Well Screater Column (Figure 2) Well (H x 0.16) Well (H x 0.65) | water (DT) Boring L Teen (TD-S) H=TD-DT WE 3 gal/ft) 3 gal/ft) Colored ME Co | RMATION (D): 32.89 W): 23.85 ogs: 10 SL): 22.89 W): 9.04 LL CASING V | ft. ft. Volument. ft. Date ft. Scource. Colume Col. (1 well volument.) (1 well volument.) Polyment. | Flow Rate: me Purged: e/Time of ample: ALCULATIO me) me) ETHOD OF eristaltic Pump ow-flow Subm | 4.5 31 5 @ ONS 4.4 SAMPLE | gal. (3 well v gal. (3 well v | olumes) olumes) |
| | ther (speeny) | | W-FLOW MON | | | ERS | | |
| Time | Flow Rate | Temp. | Specific Conductivity | Dissolved Oxygen | pН | ORP | Turbidity | DTW |
| hr/min | mL/min | °C | mS/cm | mg/L | Standard Units | mV | NTU or FTU | feet |
| Stabilization Criteria | 100 - 500 mL/min | +/- 1°C | +/- 3% | +/- 10% | +/- 0.1 | +/- 10% | +/- 10% (if >10 NTU or FTU) | <0.3 ft. or Top of Screen |
| | Initial | - | _ | | | - | - | 23.85 |
| | | | | | | | | |
| | | 1000 | | | | | | |
| h | - | _ | | | | | | |
| | | | | | , | | | |
| | | | | | | | | |
| | | | | | | | | |
| Notes: 1 2 3 | Take measure | ments ever | utive measurements y 3 to 5 minutes. nd Time Collected: | of as many as 3 | indicators are w | ithin their tar | get ranges. | |

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| | Project: | | Camp Mind | len – Area I I | Disposal Site | | | |
|--|---|---|---|--|--------------------------|---------------------------|---|------------------------------|
| | Project No.: | | 750-0001 | | | | | |
| | Site Location | n: | Minden, Lo | uisiana | | | | |
| | Monitor We | II No.: | MW- 3 | | | | | |
| | Date Purged | | | 2015 Samp | led By: | 3D | | |
| Total I Static De Screen Le Depth to T Height of W | epth to Groundingth (SL) from Top of Well Screater Column (F Well (H x 0.16) Well (H x 0.65) | water (DT a Boring Later (TD-ST-TD-DT) WE 63 gal/ft) 63 gal/ft) | (D): 32.42 W): 22.52 ogs: 10 SL): 22.42 W): 9.90 LL CASING V 1.6 ga other: | ft. Volument. Date of the State | ime) ime) ETHOD OF | ONS 4.8 SAMPLE | mL/mi gallons /400 Time gal. (3 well v gal. (3 well v | rolumes) |
| | ow-flow Submonater Well ther (Specify) | BAN | | L B 0 | ther (Specify) | nersible Pur Dedicated | | osable |
| Time | Flow Rate | Temp. | Specific Conductivity | Dissolved | | ORP | Total dise. | DTW |
| hr/min | mL/min | | | Oxygen | pH | | Turbidity | DTW |
| nr/min | mL/min | °C | mS/cm | mg/L | Standard Units | mV | NTU or FTU | feet |
| Stabilization Criteria | 100 - 500 mL/min | +/- 1°C | +/- 3% | +/- 10% | +/- 0.1 | +/- 10% | +/- 10% (if >10 NTU or FTU) | <0.3 ft. or Top of Screen |
| | Initial | _ | _ | _ | _ | _ | | 22.52 |
| | | | | | | | | |
| Notes: 1 | . Take measure | ments ever | utive measurements y 3 to 5 minutes. nd Time Collected: | of as many as 3 | indicators are w | rithin their tar | get ranges. | |

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| | Project: | | 750-0001 | len – Area I I | Asposal Site | | | |
|---|--|--|---|-----------------------|---|------------|---|------------------------------------|
| | Project No.: Site Location | | | | | | | |
| | | | Minden, Lo | uisiana | | | | |
| | Monitor We | | MW- 4 | 20166 | 1.10 | - | | |
| | Date Purged | /Sampled | 1 7.51 | 2015 Samp | led By: | BD | | |
| Total I Static De Screen Le Depth to T | epth to Groundingth (SL) from Top of Well Sci | or Well (Twater (DT) Boring Leten (TD-S) | CD): 32.91 W): 27.18 ogs: 10 | ft. Volum | Flow Rate: ne Purged: e/Time of ample: | 5.4 | mL/mi gallons | |
| 10.04 | | WE | LL CASING V | OLUME CA | ALCULATIO | ONS | | |
| 2" 4" | Well (H x 0.16 Well (H x 0.65 | 3 gal/ft) 3 gal/ft) | /, 7 ga ther: | ıl. (1 well volu | me) | 5.2 | gal. (3 well v gal. (3 well v | olumes) olumes) |
| | | | | | | | | |
| | ater Well ther (Specify) | | W-FLOW MOI | ☐ ○ | ailer ther (Specify) | | Dispo | osable |
| Time | ther (Specify) Flow Rate | | W-FLOW MOI Specific Conductivity | | ther (Specify) PARAMET pH | | Dispo | DTW |
| 0 | ther (Specify) | LO | W-FLOW MOI | ONITORING Dissolved | ther (Specify) | ERS | Language I | |
| Time | ther (Specify) Flow Rate | LO | W-FLOW MOI Specific Conductivity | Dissolved Oxygen | ther (Specify) PARAMET pH Standard | ERS ORP | Turbidity NTU or | DTW |
| Time hr/min Stabilization | Flow Rate mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet |
| Time hr/min Stabilization | Flow Rate mL/min 100 - 500 mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units +/- 0.1 | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | Flow Rate mL/min 100 - 500 mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units +/- 0.1 | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | Flow Rate mL/min 100 - 500 mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units +/- 0.1 | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | Flow Rate mL/min 100 - 500 mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units +/- 0.1 | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | Flow Rate mL/min 100 - 500 mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units +/- 0.1 | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | Flow Rate mL/min 100 - 500 mL/min | Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | pH Standard Units +/- 0.1 | ORP mV | Turbidity NTU or FTU +/- 10% (if>10 NTU | DTW feet <0.3 ft. or Top of Screen |

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| | Project: | | | ien – Area I I | Disposal Site | | | |
|--|---|---|---|--------------------------|-------------------|--------------------------------|---|------------------------------|
| | Project No.: | | 750-0001 | | 17 10 11 11 | | | |
| | Site Location Monitor We | | Minden, Lo | uisiana | | | | |
| | Date Purged | 777 T T T T T T T T T T T T T T T T T T | MW- 5 | 2015 Samp | lad Den | DO | | |
| | Date Furgeo | /Sampleu | 8.21 | Samp | ned by: | BD | | |
| Total l Static De Screen Le Depth to T Height of W | epth to Groundingth (SL) from Top of Well Screen (Fater Column (Fater Well (H x 0.16) | water (DT Boring L een (TD-S H=TD-DT WE 63 gal/ft) 63 gal/ft) | RMATION (TD): 30·30 (W): 22.74 (ogs: 10 (SL): 20·30 (W): 7.56 LL CASING V (1.23 ga | ft. Volument. Date ft. S | ime) | ONS | mL/mi gallons /500 Time gal. (3 well v gal. (3 well v | olumes) |
| | PURG eristaltic Pump ow-flow Submer ater Well ther (Specify) | RANL | | | ther (Specify) | o nersible Pur Dedicated | np | osable |
| Time | Flow Rate | Temp. | Conductivity | Oxygen | pН | ORP | Turbidity | DTW |
| hr/min | mL/min | °C | mS/cm | mg/L | Standard Units | mV | NTU or FTU | feet |
| Stabilization Criteria | 100 - 500 mL/min | +/- 1°C | +/- 3% | +/- 10% | +/- 0.1 | +/- 10% | +/- 10% (if >10 NTU or FTU) | <0.3 ft. or Top of Screen |
| | Initial | _ | _ | | 1 | | | 22.74 |
| | | | | | | | | |
| | | | | | | | | |
| | Les est est | | 1 7 7 1 | lan and | 6 a cen 14 | his arrests | | |
| Notes: 1 2 3 | . Take measure | ments ever | utive measurements y 3 to 5 minutes. nd Time Collected: | of as many as 3 | indicators are v | vithin their tar | get ranges. | |

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| | Project: Project No.: | | 750-0001 | | | | | |
|--|--|--|---|---|--|--|---|------------------------------------|
| | Site Location | | Minden, Lo | niciana | | | | |
| | Monitor We | | MW- (0 | шыапа | | | | |
| | Date Purged | | | 2015 Samp | led By: | BD | | |
| Total I Static De Screen Ler Depth to T Height of Wa | epth to Groundy ngth (SL) from Top of Well Scr ater Column (H Well (H x 0.16 | or Well (Twater (DT Boring Leen (TD-SI=TD-DT WEI 3 gal/ft) | CD): 30.18 W): 21.22 ogs: 10 SL): 20.18 W): 8.90 LL CASING V | ft. Volument. Date of the St. | ALCULATIO | 8/31/5@ ONS | mL/mi gallons / 30 Time gal. (3 well v | olumes) |
| . / | Well (H x 0.65 PURGI eristaltic Pump | | ther: ga | | ETHOD OF | | gal. (3 well v | S. a.v |
| ☐ Lo | ow-flow Subme ater Well | ersible Pur | mp | . 🔲 L | eristaltic Pump ow-flow Subm ailer | | | osable |
| | ow-flow Subme | BANL | W-FLOW MOI | I L B O NITORING | ow-flow Submailer | nersible Pur Dedicated | | osable |
| | ow-flow Subme ater Well | BAIL | ER | I L B B O O O O O O O O O O O O O O O O O | ow-flow Submailer | nersible Pur Dedicated ERS | Dispo | 100000 |
| Lo V | ow-flow Subme rater Well ther (Specify) | BANL | W-FLOW MOI | I L B O NITORING | ow-flow Submailer | nersible Pur Dedicated | | DTW feet |
| Lo W | ow-flow Subme ater Well ther (Specify) - | LON Temp. | W-FLOW MOI Specific Conductivity | Dissolved Oxygen | ow-flow Submailer | nersible Pur Dedicated ERS | Turbidity NTU or | DTW |
| Time hr/min | w-flow Submerater Well ther (Specify) Flow Rate mL/min | LON Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | ow-flow Submailer | ersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet |
| Time hr/min | w-flow Submerater Well ther (Specify) Flow Rate mL/min | LON Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | ow-flow Submailer | ersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | w-flow Submerater Well ther (Specify) Flow Rate mL/min | LON Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | ow-flow Submailer | ersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | w-flow Submerater Well ther (Specify) Flow Rate mL/min | LON Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | ow-flow Submailer | ersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |
| Time hr/min Stabilization | w-flow Submerater Well ther (Specify) Flow Rate mL/min | LON Temp. | N-FLOW MOI Specific Conductivity mS/cm | Dissolved Oxygen mg/L | ow-flow Submailer | ersible Pur Dedicated ERS ORP mV | Turbidity NTU or FTU +/- 10% (if > 10 NTU | DTW feet <0.3 ft. or Top of Screen |

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