

ATTACHMENT D
MONITORING WELL DEVELOPMENT LOGS

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Project: Camp Minden – Area I Disposal Site
Project No.: 750-0001
Site Location: Minden, Louisiana
Monitor Well No.: MW-
Date Developed: 8/19/2015 **Developed By:** NB/BD

MONITOR WELL INFORMATION

Total Depth of Monitor Well (TD): 33.08 ft.
 Static Depth to Groundwater (DTW): 22.92 ft. **Flow Rate:** _____ mL/min
 Screen Length (SL) from Boring Logs: 10 ft. **Volume Purged:** 55 gallons
 Depth to Top of Well Screen (TD-SL): 23.08 ft.
 Height of Water Column (H=TD-DTW): _____ ft.

WELL CASING VOLUME CALCULATIONS

- 2" Well (H x 0.163 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 4" Well (H x 0.653 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 Other: _____

METHOD OF DEVELOPMENT

- Peristaltic Pump
 Low-flow Submersible Pump
 Bailer Dedicated Disposable
 Other (Specify) Drum pump / surged well

DEVELOPMENT PARAMETERS

Time hr/min	Flow Rate mL/min	Turbidity NTU or FTU	DTW feet	Vol. Purged gallons
	100 - 500 mL/min	+/- 10% (if >10 NTU or FTU)	<0.3 ft. or Top of Screen	
				32
OUT OF DRUM STORAGE - WILL RETURN TO FINISH				
				23

SHEET 1 OF 1

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Project: Camp Minden – Area I Disposal Site
Project No.: 750-0001
Site Location: Minden, Louisiana
Monitor Well No.: MW- 2
Date Developed: 8/19/2015 **Developed By:** NB/BD

MONITOR WELL INFORMATION

Total Depth of Monitor Well (TD): 32.89 ft.
 Static Depth to Groundwater (DTW): 23.86 ft. **Flow Rate:** _____ mL/min
 Screen Length (SL) from Boring Logs: 10 ft. **Volume Purged:** 21 gallons
 Depth to Top of Well Screen (TD-SL): 22.89 ft.
 Height of Water Column (H=TD-DTW): _____ ft.

WELL CASING VOLUME CALCULATIONS

- 2" Well (H x 0.163 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 4" Well (H x 0.653 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 Other: _____

METHOD OF DEVELOPMENT

- Peristaltic Pump
 Low-flow Submersible Pump
 Bailer Dedicated Disposable
 Other (Specify) downtole pump / surged well

DEVELOPMENT PARAMETERS

Time hr/min	Flow Rate mL/min	Turbidity NTU or FTU	DTW feet	Vol. Purged gallons
	100 - 500 mL/min	+/- 10% (if >10 NTU or FTU)	<0.3 ft. or Top of Screen	
				15
Well went dry - water very cloudy - water Allowed to Recharge.				
				6
Water cloudy				

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Project: Camp Minden – Area I Disposal Site
Project No.: 750-0001
Site Location: Minden, Louisiana
Monitor Well No.: MW- 3
Date Developed: 8/19/2015 **Developed By:** NB

MONITOR WELL INFORMATION

Total Depth of Monitor Well (TD): 32.42 ft.
 Static Depth to Groundwater (DTW): 22.27 ft. **Flow Rate:** _____ mL/min
 Screen Length (SL) from Boring Logs: 10 ft. **Volume Purged:** 55 gallons
 Depth to Top of Well Screen (TD-SL): 22.42 ft.
 Height of Water Column (H=TD-DTW): _____ ft.

WELL CASING VOLUME CALCULATIONS

- 2" Well (H x 0.163 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 4" Well (H x 0.653 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 Other: _____

METHOD OF DEVELOPMENT

- Peristaltic Pump
 Low-flow Submersible Pump
 Bailer Dedicated Disposable
 Other (Specify) damnhole pump/surged well

DEVELOPMENT PARAMETERS

Time hr/min	Flow Rate mL/min	Turbidity NTU or FTU	DTW feet	Vol. Purged gallons
	100 - 500 mL/min	+/- 10% (if >10 NTU or FTU)	<0.3 ft. or Top of Screen	
				<u>55</u>
	<u>WATER IS CLOUDY</u>			

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Project: Camp Minden – Area I Disposal Site
Project No.: 750-0001
Site Location: Minden, Louisiana
Monitor Well No.: MW- 4
Date Developed: 8/20/15 **Developed By:** MS/NB

MONITOR WELL INFORMATION

Total Depth of Monitor Well (TD): 32.91 ft.
 Static Depth to Groundwater (DTW): 21.91 ft. **Flow Rate:** _____ mL/min
 Screen Length (SL) from Boring Logs: 10 ft. **Volume Purged:** 600 gallons
 Depth to Top of Well Screen (TD-SL): 22.91 ft.
 Height of Water Column (H=TD-DTW): _____ ft.

WELL CASING VOLUME CALCULATIONS

- 2" Well (H x 0.163 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 4" Well (H x 0.653 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 Other: _____

METHOD OF DEVELOPMENT

- Peristaltic Pump
 Low-flow Submersible Pump
 Bailer Dedicated Disposable
 Other (Specify) damitide pump / surged well

DEVELOPMENT PARAMETERS

Time hr/min	Flow Rate mL/min	Turbidity NTU or FTU	DTW feet	Vol. Purged gallons
	100 - 500 mL/min	+/- 10% (if >10 NTU or FTU)	<0.3 ft. or Top of Screen	
				<u>60</u>
<u>WATER pretty clear</u>				

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Project: Camp Minden – Area I Disposal Site
Project No.: 750-0001
Site Location: Minden, Louisiana
Monitor Well No.: MW-5
Date Developed: 8/20/15 **Developed By:** MS/NB

MONITOR WELL INFORMATION

Total Depth of Monitor Well (TD): 30.30 ft.
 Static Depth to Groundwater (DTW): 22.46 ft. **Flow Rate:** _____ mL/min
 Screen Length (SL) from Boring Logs: 10 ft. **Volume Purged:** 55 gallons
 Depth to Top of Well Screen (TD-SL): 20.30 ft.
 Height of Water Column (H=TD-DTW): _____ ft.

WELL CASING VOLUME CALCULATIONS

- 2" Well (H x 0.163 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 4" Well (H x 0.653 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 Other: _____

METHOD OF DEVELOPMENT

- Peristaltic Pump
 Low-flow Submersible Pump
 Bailer Dedicated Disposable
 Other (Specify) double pump / surger well

DEVELOPMENT PARAMETERS

Time hr/min	Flow Rate mL/min	Turbidity NTU or FTU	DTW feet	Vol. Purged gallons
	100 - 500 mL/min	+/- 10% (if >10 NTU or FTU)	<0.3 ft. or Top of Screen	
				<u>55</u>

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Project: Camp Minden – Area I Disposal Site
Project No.: 750-0001
Site Location: Minden, Louisiana
Monitor Well No.: MW- 40
Date Developed: 8/20/15 **Developed By:** MS/NB

MONITOR WELL INFORMATION

Total Depth of Monitor Well (TD): 30.18 ft.
 Static Depth to Groundwater (DTW): 20.94 ft. **Flow Rate:** _____ mL/min
 Screen Length (SL) from Boring Logs: 10 ft. **Volume Purged:** 55 gallons
 Depth to Top of Well Screen (TD-SL): 20.18 ft.
 Height of Water Column (H=TD-DTW): _____ ft.

WELL CASING VOLUME CALCULATIONS

- 2" Well (H x 0.163 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 4" Well (H x 0.653 gal/ft) _____ gal. (1 well volume) _____ gal. (3 well volumes)
 Other: _____

METHOD OF DEVELOPMENT

- Peristaltic Pump
 Low-flow Submersible Pump
 Bailer Dedicated Disposable
 Other (Specify) downtide pump / SURGED well

DEVELOPMENT PARAMETERS

Time hr/min	Flow Rate mL/min	Turbidity NTU or FTU	DTW feet	Vol. Purged gallons
	100 - 500 mL/min	+/- 10% (if >10 NTU or FTU)	<0.3 ft. or Top of Screen	
				<u>55</u>
	<u>slightly cloudy</u>			