



Photograph 1 – Tract 20B MWs 05 and 06 after surface completion; but prior to the permanent placement of the bollards.



Photograph 2 – Tract 20B MWs 05 and 06 after surface completion and the setting of the bollards.

DAILY QUALITY CONTROL REPORT – 010

	S	M	T	W	Th	F	S
Weather				Sunny			
Temp				50			
Wind				5			
Humidity				L			

Date - 3/21/2018

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

Trucks
Downhole submersible development pumps
YSI 556
Hanna Turbidity Meter

Work Performed: (onsite – 0800; offsite – 1500)

H&S Meeting – including drill rig safety and weather.
Mobilize to site.
Complete MW development at Tract 20B MWs 07/08.
Demobilize from site.

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/21/2018

Quality Control Activities (including field calibrations):
Health and Safety Level Activities / Field Staff on Site:
Staff – Alex Hedgepath (HGL); Stuart Cameron and Brant Hylinski (ATI); James Tinnell, Matt Wold, Roy Hopkins, and Derrik Perry (GSI). H&S Meeting – drilling safety
Problems Encountered/Corrective Action Taken/Comments:
MW07 did not stabilize within 4 hours of pumping/surging. The FSP states that if the turbidity does not fall below 25 NTU or the parameters do not stabilize in 4 hours that the ATI/HGL PM shall be contacted. D. Nelson was contact, who instructed the field crew to stop development of the well. The final turbidity reading was 49.8 NTU.
Special Notes
Field teams demobilized from site. Field work will begin again on 3/26/18.
Signature: Alex Hedgepath Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 011**

	S	M	T	W	Th	F	S
Weather		Cloudy					
Temp		31/43 F					
Wind		10 MPH					
Humidity		88%					

Date - 3/26/2018

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain

Skid-Steer Loader

MiniRae PID

Trimble GPS

4x4 Trucks

Work Performed: (onsite – 0730; offsite – 1630)

H&S Meeting – including drill rig safety and weather

Mobilize to site

Began installation of monitoring wells BCKD-LGIA-MW16 and BCKD-UGIA-MW06; boreholes advanced to respective depths of 39.5 and 21.7 ft below the ground surface.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 011**

PROJECT: Corn Husker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/26/2018

Quality Control Activities (including field calibrations):

Calibrated PID Minirae
Reaffirmed monitoring well locations with Trimble GPS

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI); James Tinnell, and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, but a relatively comprehensive meeting was deemed necessary to ensure application of appropriate safety measures immediately upon return from the long weekend. The crew reestablished expectations regarding jobsite safety and cognizance, and discussed the primary hazards encountered prior to the long weekend that remain a factor.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

The terrain remains unstable in low areas so careful driving is required to reduce lost time retrieving vehicles.

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 012**

Date - 3/27/2018

	S	M	T	W	Th	F	S
Weather			Sunny				
Temp			34/56 F				
Wind			10 MPH				
Humidity			40%				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain
Skid-Steer Loader
MiniRae PID
Trimble GPS
4x4 Trucks

Work Performed: (onsite – 0730; offsite – 1630)

H&S Meeting – including drill rig safety and weather
Mobilize to site
Began installation of monitoring wells BKRD-LGIA-MW19, BKRD-UGIA-MW07, and BKRD-LGIA-MW17;
boreholes advanced to respective depths of 33.7, 21.7, and 35.5 ft below the ground surface.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 012**

PROJECT: Corn Husker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/27/2018

Quality Control Activities (including field calibrations):

Calibrated PID Minirae.
Reaffirmed monitoring well locations with Trimble GPS.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI); James Tinnell, and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, so a standard daily tailgate meeting was conducted. Topics included establishing eye-contact with equipment operators when approaching areas of operation, and areas/ to avoid when rig is advancing the augers.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

High temperatures and limited cloud cover introduced the potential for sunburn and overheating. No problems are anticipated from today's exposure, but future preparation will be noted in tomorrow's tailgate meeting.

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 013**

Date - 3/28/2018

	S	M	T	W	Th	F	S
Weather				Sunny			
Temp				35/60 F			
Wind				15 MPH			
Humidity				36%			

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain

Skid-Steer Loader

MiniRae PID

Trimble GPS

4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – including drill rig safety and weather

Mobilize to site

Began installation of monitoring wells BKRD-UGIA-MW08, BKRD-UGIA-MW10, and BKRD-LGIA-MW20; boreholes advanced to respective depths of 20.7, 20.7, and 37.5 ft below the ground surface.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 013**

PROJECT: Corn Husker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/28/2018

Quality Control Activities (including field calibrations):

Calibrated PID Minirae.
Reaffirmed monitoring well locations with Trimble GPS.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI); James Tinnell, and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, so a standard daily tailgate meeting was conducted. Topics included slips, trips, falls, overheating, and sun protection (sunscreen).

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Insects are more prevalent as the temperatures rise so the crew will discuss what to expect and how to limit contact in tomorrow's health and safety meeting.

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 014**

Date - 3/29/2018

	S	M	T	W	Th	F	S
Weather					Sunny		
Temp					30/45 F		
Wind					15 MPH		
Humidity					42%		

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain

Skid-Steer Loader

MiniRae PID

Trimble GPS

4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1730)

H&S Meeting – including drill rig safety and weather

Mobilize to site

Began installation of monitoring wells BKRD-UGIA-MW09 and BKRD-LGIA-MW18; boreholes advanced to respective depths of 20.7 and 35.5 ft below the ground surface.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 014**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/29/2018

Quality Control Activities (including field calibrations):

Calibrated PID Minirae.
Reaffirmed monitoring well locations with Trimble GPS.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI); James Tinnell, and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, so a standard daily tailgate meeting was conducted. Topics included slips, trips, falls, overheating, and sun protection (sunscreen).

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 015**

Date - 3/30/2018

	S	M	T	W	Th	F	S
Weather						Sunny	
Temp						40/60 F	
Wind						15 MPH	
Humidity						30%	

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain
Skid-Steer Loader
MiniRae PID
Trimble GPS
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1730)

H&S Meeting – including drill rig safety and weather
Mobilize to Background Area 3 to widen bollard holes
Began installation of monitoring wells 21B-UGIA-MW03 and 21B-LGIA-MW04; boreholes advanced to respective depths of 20.2 and 40.5 ft below the ground surface.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 015**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/30/2018

Quality Control Activities (including field calibrations):

Calibrated PID Minirae.
Reaffirmed monitoring well locations with Trimble GPS.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI); James Tinnell, and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, so a standard daily tailgate meeting was conducted. Topics included slips, trips, falls, and driving on the rough terrain of the cornfields.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 016**

Date - 3/31/2018

	S	M	T	W	Th	F	S
Weather							Sunny
Temp							25/40 F
Wind							25 MPH
Humidity							45%

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain

Skid-Steer Loader

MiniRAE PID

Trimble GPS

4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1730)

H&S Meeting – including drill rig safety and weather

Began installation of monitoring wells 21B-DS-LGIA-MW05 and 21B-DS-LGIA-MW06; both boreholes were advanced to 45 ft below the ground surface.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 016**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 3/31/2018

Quality Control Activities (including field calibrations):

Calibrated PID MiniRAE.
Reaffirmed monitoring well locations with Trimble GPS.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI); James Tinnell, and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, so a standard daily tailgate meeting was conducted. Topics included slips, trips, falls, and driving on the rough terrain of the cornfields. High winds are forecasted so the crew also discussed how to safely station equipment and supplies in windy conditions.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 017**

Date - 4/1/2018

	S	M	T	W	Th	F	S
Weather	Cloudy						
Temp	25/30 F						
Wind	7 MPH						
Humidity	75%						

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

YSI Water Quality Meter

Hanna Turbidity Meter

Trimble GPS

4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1600)

H&S Meeting – including safely operating in snowy conditions

Developed monitoring wells BKRD-UGIA-MW08, BKRD-UGIA-MW07, and BKRD-UGIA-10.

Disposed of the IDW water in the specified disposal facility.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 017**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/1/2018

Quality Control Activities (including field calibrations):

Calibrated YSI and Hanna.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI).

H&S Meeting – Field work did not require heavy machinery such as drill rig or skid-steer, so the health and safety meeting focused on working safely in the snowy conditions.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 018**

Date - 4/2/2018

	S	M	T	W	Th	F	S
Weather		Cloudy					
Temp		25/50 F					
Wind		15 MPH					
Humidity		84%					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain
Skid-Steer Loader
YSI Water Quality Meter
Hanna Turbidity Meter
MiniRAE PID
Trimble GPS
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1600)

H&S Meeting – including safely operating in snowy conditions
Developed monitoring wells 20B-UGIA-MW01, 20B-LGIA-MW02, 20B-UGIA-MW03, 20B-LGIA-MW04, 20B-UGIA-MW05, and 20B-LGIA-MW06.
Surface completed newly installed monitoring wells (installed concrete pads and bollards)
Disposed of the IDW water in the specified disposal facility.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 018**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/2/2018

Quality Control Activities (including field calibrations):

Calibrated YSI and Hanna.
Photographed development water.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI), Alex Hedgepath and Scott Grant (HGL), and James Tinnell, Roy Hopkins, Matt Wold, and Derick Perry (GSI).

H&S Meeting –Scott Grant was introduced to the crew, so he was brought up to date on the health and safety expectations, onsite. Other topics included assisting others when backing up vehicles, and the importance of reporting near miss events.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 019**

Date - 4/3/2018

	S	M	T	W	Th	F	S
Weather			Cloudy				
Temp			18/33 F				
Wind			30 MPH				
Humidity			51%				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain
Skid-Steer Loader
YSI Water Quality Meter
Hanna Turbidity Meter
MiniRAE PID
Trimble GPS
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1600)

H&S Meeting – including safely operating in snowy conditions
Developed monitoring wells BKRD-UGIA-MW06, BKRD-UGIA-MW09, BKRD-LGIA-MW16, BKRD-LGIA-MW17, BKRD-LGIA-MW18, BKRD-LGIA-MW19, BKRD-LGIA-MW20.
Installed monitoring wells 21B-BPA-UGIA-MW07 and 21B-BPA-LGIA-MW08
Disposed of the IDW water in the specified disposal facility.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 019**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/3/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI and Hanna.
Photographed development water.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI), Alex Hedgepath and Scott Grant (HGL), and James Tinnell, Roy Hopkins, Matt Wold, and Chris Squires (GSI).

H&S Meeting –Well installation was conducted today, so jobsite safety in the vicinity of the rig was discussed, with emphasis on PPE.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 020**

Date - 4/4/2018

	S	M	T	W	Th	F	S
Weather				Sunny			
Temp				19/45 F			
Wind				15 MPH			
Humidity				L			

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain
Skid-Steer Loader
YSI Water Quality Meter
Hanna Turbidity Meter
MiniRAE PID
Trimble GPS
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1700)

H&S Meeting – Drilling
Developed monitoring wells 21B-BPA-MW03 and 21B-BPA-MW04
Installed monitoring wells 21C-LGIA-MW02, 21C-LGIA-MW08, and 21C-UGIA-MW07
Disposed of the IDW water in the specified disposal facility.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 020**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/4/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI and Hanna.
Photographed development water.

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron and Brant Hylinski (ATI), Alex Hedgepath and Scott Grant (HGL), and James Tinnell, Roy Hopkins, Matt Wold, and Chris Squires (GSI).

H&S Meeting –Well installation was conducted today, so jobsite safety in the vicinity of the rig was discussed, with emphasis on PPE.

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 021**

Date - 4/5/2018

	S	M	T	W	Th	F	S
Weather					Sunny		
Temp					20/50F		
Wind					10 MPH		
Humidity					L		

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain
Skid-Steer Loader
MiniRAE PID
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1750)

H&S Meeting – Drilling
Installed monitoring wells 21C-LGIA-MW06, 21C-UGIA-MW05, and 21C-UGIA-MW01
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 021**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/5/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath and Scott Grant (HGL), and James Tinnell and Chris Squires (GSI).

H&S Meeting –Drilling

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

D. Nelson called and notified field staff of 2 new wells to install at 21C; which will bring up the total number to 10.

Installed monitoring wells 21C-LGIA-MW06 and 21C-UGIA-MW05 will be grouted on 4/6/18.

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 022**

Date - 4/6/2018

	S	M	T	W	Th	F	S
Weather						Snow	
Temp						18F	
Wind						15MPH	
Humidity						Snow	

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

HSA rig – CMA-55 All-Terrain

Skid-Steer Loader

MiniRAE PID

Trimble GPS unit

4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – Drilling

Locate 21C-LGIA-MW10 and 21C-LGIA-MW09 locations using GPS and map provided by D. Nelson

Installed monitoring wells 21C-LGIA-MW10 and 21C-LGIA-MW04

Grouted 21C-UGIA-MW05 and 21C-LGIA-MW06

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 022**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/6/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath and Scott Grant (HGL), and James Tinnell and Chris Squires (GSI).

H&S Meeting –Drilling

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist

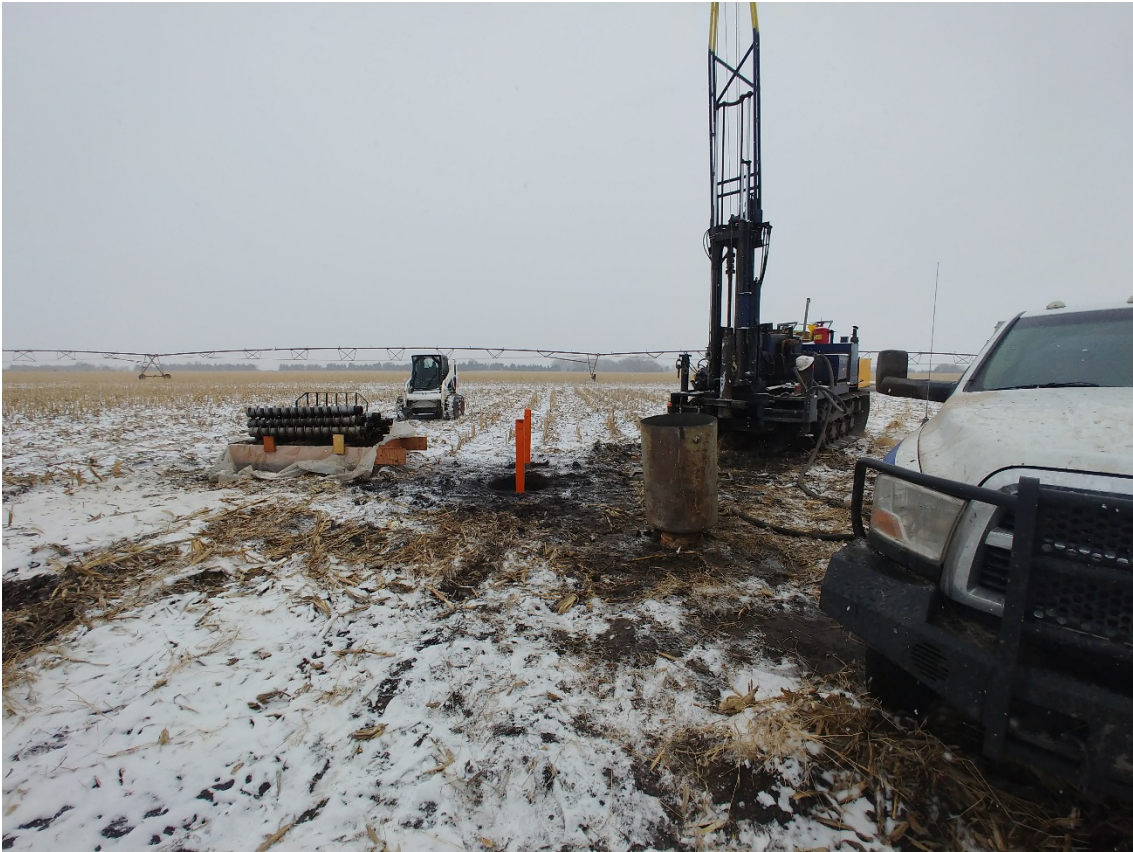


Photo 1 – Casings and grout setting at 21C-LGIA-MW06 and 21C-UGIA-MW05; weather was snowy and the site had approximately 2" accumulations.



Photo 2 – Site conditions and visibility at approximately 1400.

**DAILY QUALITY CONTROL REPORT - 023**

Date - 4/7/2018

	S	M	T	W	Th	F	S
Weather							Sunny
Temp							40F
Wind							5MPH
Humidity							L

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

YSI556
Hanna Turbidity Meter
Hurricane Pumps
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1800)

H&S Meeting – MW Development
Developed the following wells: 21B-DS-LGIA-MW07, 21B-DS-LGIA-MW06, 21C-LGIA-MW08, 21C-UGIA-MW07, 21C-LGIA-MW02, and 21C-UGIA-MW01.
Dispose of IDW water at WWTP.
Demobilize from site.



DAILY QUALITY CONTROL REPORT - 023

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/7/2018

Quality Control Activities (including field calibrations):

Calibrate YSIs and Hannah Turbidity Meters

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath and Scott Grant (HGL), and Chris Squires (GSI).

H&S Meeting –MW Development

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Development water at 21B-DS-LGIA-MW06

**DAILY QUALITY CONTROL REPORT - 024**

Date - 4/8/2018

	S	M	T	W	Th	F	S
Weather	Sunny						
Temp	25/50F						
Wind	20MPH						
Humidity	M						

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

YSI556
Hanna Turbidity Meter
Hurricane Pumps
AT CME-55
Skid loader - Bobcat
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1840)

H&S Meeting – MW Development / Drilling
Installed the following wells: 21C-UGIA-MW03 and 21C-UGIA-MW09
Developed the following wells: 21B-DS-LGIA-MW05, 21B-BPA-LGIA-MW08, 21B-BPA-UGIA-MW07, 21C-LGIA-MW10, 21C-LGIA-MW06, and 21C-UGIA-MW05.
Dispose of IDW water at WWTP.
Power auger bollard post holes at 12 21C and 2 21B-BPA locations.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 024**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/8/2018

Quality Control Activities (including field calibrations):

Calibrate YSI and Hannah Turbidity Meter

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath and Scott Grant (HGL); Matt Wold and Chris Squires (GSI).

H&S Meeting –MW Development / MW Installation

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 025**

Date - 4/9/2018

	S	M	T	W	Th	F	S
Weather		Partly Sunny					
Temp		20/45F					
Wind		5 MPH					
Humidity		M					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

YSI556
Hanna Turbidity Meter
Hurricane Pump
Skid loader - Bobcat
4x4 Trucks
Hand tools

Work Performed: (onsite – 0800; offsite – 1740)

H&S Meeting – MW Development / Surface Completion
Surface completion was finished at 12 21C and 2 21B-BPA locations
Developed the 21C-LGIA-MW04
Dispose of IDW water at WWTP.
Demobilize from site.

Concrete Truck was onsite from 1330 to 1600.

**DAILY QUALITY CONTROL REPORT - 025**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/9/2018

Quality Control Activities (including field calibrations):

Calibrate YSI and Hannah Turbidity Meter

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath and Scott Grant (HGL); James Tinnell and Chris Squires (GSI).

H&S Meeting –MW Development / surface completion

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Water at 21C-LGIA-MW04 after well development and prior to surface completion.

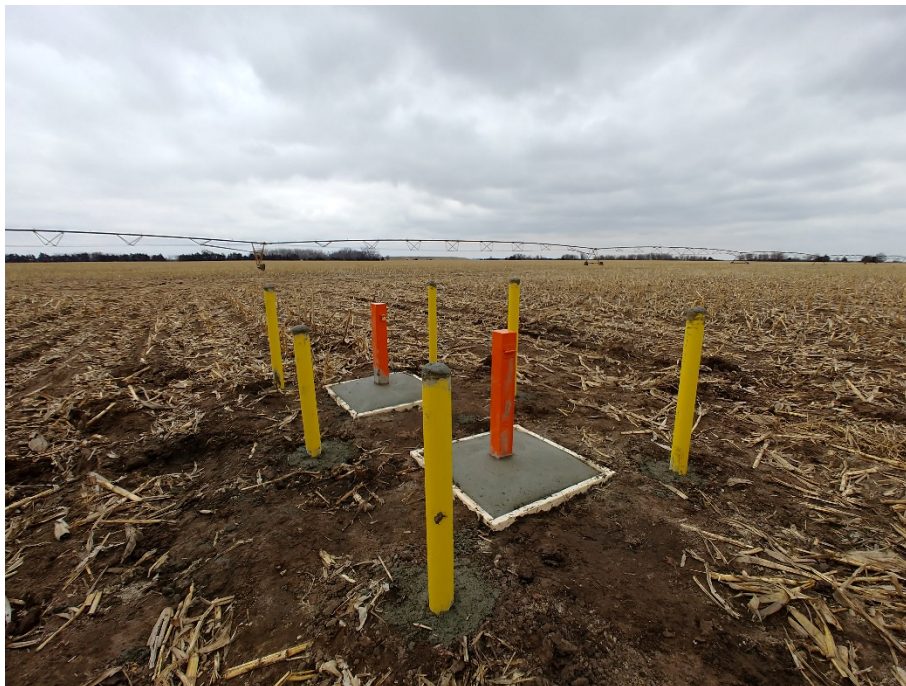


Photo 1 – Surface

MW03 and 21C-LGIA-MW04.

completion at 21C-UGIA-

**DAILY QUALITY CONTROL REPORT - 026**

Date - 4/10/2018

	S	M	T	W	Th	F	S
Weather			Sunny				
Temp			30/65F				
Wind			5 MPH				
Humidity			M				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

YSI556
Hanna Turbidity Meter
Hurricane Pump
PID
6600 Geoprobe
4x4 Trucks
Hand tools

Work Performed: (onsite – 0800; offsite – 1730)

H&S Meeting – MW Development / DPT Soil Sampling
Collect DPT Soil Samples from 21B-DS-SB05 and 21B-DS-SB12 locations
Ship collected soil samples to Kat. Analytical Lab. via FedEx
Developed the 21C-UGIA-MW03 and 21C-UGIA-MW09
Dispose of IDW water at WWTP.
Clean up staging area and office at GSI.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 026**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/10/2018

Quality Control Activities (including field calibrations):

Calibrate YSI, Hannah Turbidity Meter, and PID

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath and Scott Grant (HGL); James Tinnell, Roy Hopkins, and Chris Squires (GSI).

H&S Meeting –MW Development / DPT Soil Sampling

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 027**

Date - 4/16/2018

	S	M	T	W	Th	F	S
Weather		Sunny					
Temp		30/50F					
Wind		5MPH					
Humidity		M					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
6600 Geoprobe
4x4 Trucks

Work Performed: (onsite – 0900; offsite – 1630)

H&S Meeting – DPT
Collect DPT Soil Samples from 13 stockpile locations (13/164)
Ship collected soil samples to Kat. Analytical Lab. via FedEx
Developed the 21C-UGIA-MW03 and 21C-UGIA-MW09
Dispose of IDW water at WWTP.
Clean up staging area and office at GSI.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 027**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/16/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL), Julie Daniels (ATI), Matt World and Tyler Batunabacao (GSI)

H&S Meeting –DPT and stockpile transversing

Problems Encountered/Corrective Action Taken/Comments:

The 6600 Geoprobe was unable to transverse the steeper and uneven slopes of the stockpiles due to the dirt being more soft and moist than expected. Depending on the soil moisture, a skid steer may need to be brought to site to make a path to the sample locations.

The 6600 Geoprobe also became temporarily struck traversing an uneven valley/slope. The Geoprobe was able to be worked out of the valley prior to demobilizing from site.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Stakes that were set by the Survey Subcontractor during the week of April 9th.



Photo 2 – The 6600 Geoprobe preparing to sample on uneven terrain prior to becoming stuck.

**DAILY QUALITY CONTROL REPORT - 028**

Date - 4/17/2018

	S	M	T	W	Th	F	S
Weather			Sunny				
Temp			25/55F				
Wind			10MPH				
Humidity			L				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
Hand Auger
6600 Geoprobe
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – DPT/HA Stockpile Samples
Collect DPT and Hand Auger Soil Samples from 21 stockpile locations (34/164)
Ship collected soil samples to Kat. Analytical Lab. via FedEx
Dispose of IDW water at WWTP.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 028**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/17/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, and Julie Daniels (ATI); Matt World and Tyler Batunabacao (GSI)

H&S Meeting –DPT, Hand Augering, and stockpile traversing

Problems Encountered/Corrective Action Taken/Comments:

The 6600 Geoprobe was unable to transverse the steeper and uneven slopes of the stockpiles due to the dirt being more soft and moist than expected. Depending on the soil moisture, a skid steer may need to be brought to site to make a path to the sample locations.

The 6600 Geoprobe also became temporarily stuck traversing an uneven valley/slope. The Geoprobe was able to be worked out of the valley prior to demobilizing from site.

Special Notes

After evaluating each area and expecting conditions to worsen later in the week (rain on Friday/Saturday), a skid steer may be brought to site at the beginning of next week to make temporary paths to the steep gradient sample locations.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Soft soil in the Tract 19B stockpile area has made traversing the site difficult.



Photo 2 – Southern boundary of one of the Tract 19B stockpile areas showing the surveyed stakes.

**DAILY QUALITY CONTROL REPORT - 029**

Date - 4/18/2018

	S	M	T	W	Th	F	S
Weather				Overcast			
Temp				30/45F			
Wind				20MPH			
Humidity				L			

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
Hand Auger
6600 Geoprobe
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – DPT/HA Stockpile Samples
Collect DPT and Hand Auger Soil Samples from 28 stockpile locations (62/164)
Ship collected soil samples to Kat. Analytical Lab. via FedEx
Dispose of IDW water at WWTP.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 029**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/18/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, and Julie Daniels (ATI); Matt World and Tyler Batunabacao (GSI)

H&S Meeting –DPT, Hand Augering, and stockpile traversing

Problems Encountered/Corrective Action Taken/Comments:

The 6600 Geoprobe was unable to transverse the steeper and uneven slopes of the stockpiles due to the dirt being more soft and moist than expected. Depending on the soil moisture, a skid steer may need to be brought to site to make a path to the sample locations.

The 6600 Geoprobe also became temporarily stuck traversing an uneven valley/slope. The Geoprobe was able to be worked out of the valley prior to demobilizing from site.

Special Notes

The Geoprobe was able to traverse to one of the peaks of the stockpile, since site conditions have improved, at the end of the day and left for sampling tomorrow. Tomorrow the area will be reevaluated prior to sampling to determine if site conditions have changed.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – A southern view from the north side of the east stockpile showing the uneven terrain and tracks.



Photo 2 – The 6600 Geoprobe that was parked on top of the eastern stockpile at the end of the day. The driller felt confident in the improved site conditions to mobilize the unit to the top of the stockpile.

**DAILY QUALITY CONTROL REPORT - 030**

Date - 4/19/2018

	S	M	T	W	Th	F	S
Weather					Sunny		
Temp					30/50F		
Wind					5MPH		
Humidity					L		

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
Hand Auger
6600 Geoprobe
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1645)

H&S Meeting – DPT/HA Stockpile Samples
Collect DPT and Hand Auger Soil Samples from 23 stockpile locations (85/164)
Ship collected soil samples to Kat. Analytical Lab. via FedEx
Dispose of IDW water at WWTP.
Demobilize from site.



DAILY QUALITY CONTROL REPORT - 030

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/19/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, and Julie Daniels (ATI); Matt World and Tyler Batunabacao (GSI)

H&S Meeting –DPT, Hand Augering, and stockpile traversing

Problems Encountered/Corrective Action Taken/Comments:

The 6600 Geoprobe also became temporarily stuck traversing an uneven valley/slope. The Geoprobe was able to be worked out of the valley prior to demobilizing from site.

The Geoprobe ruptured a hydraulic line at approximately 1000. The rig was down until 1330 when the line could be replaced.

Special Notes

Ground conditions on site are improving, but there are still areas that are hard to navigate using the Geoprobe/Trucks.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Ground conditions have improved significantly, but the loose stockpile has still been difficult to navigate. Shown are ruts created by the Geoprobe trying to access location B44.

**DAILY QUALITY CONTROL REPORT - 031**

Date - 4/20/2018

	S	M	T	W	Th	F	S
Weather						Cloudy	
Temp						40/50F	
Wind						5MPH	
Humidity						L	

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
Hand Auger
6600 Geoprobe
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – DPT/HA Stockpile Samples
Collect DPT and Hand Auger Soil Samples from 32 stockpile locations (117/164)
Ship collected soil samples to Kat. Analytical Lab., Saturday location, via FedEx
Dispose of IDW water at WWTP.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 031**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/20/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, and Julie Daniels (ATI); Matt World and Tyler Batunabacao (GSI)

H&S Meeting –DPT, Hand Augering, and stockpile traversing

Problems Encountered/Corrective Action Taken/Comments:

The 6600 Geoprobe also became temporarily stuck traversing an uneven valley/slope. The Geoprobe was able to be worked out of the valley prior to demobilizing from site.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – A small Gardner snake that was seen near a sample location. With temperatures warming up, field crews will review potential wildlife on site and how to stay safe.

**DAILY QUALITY CONTROL REPORT - 032**

Date - 4/21/2018

	S	M	T	W	Th	F	S
Weather							Cloudy
Temp							40F
Wind							5MPH
Humidity							M

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
Hand Auger
6600 Geoprobe
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – DPT/HA Stockpile Samples
Collect DPT and Hand Auger Soil Samples from 30 stockpile locations (147/164)
Demoilized 6600 Geoprobe from site.
Dispose of IDW water at WWTP.
Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 032**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/21/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, and Julie Daniels (ATI); Matt World and Tyler Batunabacao (GSI)

H&S Meeting –DPT, Hand Auguring, and stockpile traversing

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

The remaining locations to sample at Tract 19B can only be accessed by foot and will be hand augured. The Geoprobe was demobilized from site.

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 033**

Date - 4/22/2018

	S	M	T	W	Th	F	S
Weather	Sunny						
Temp	40-55F						
Wind	5MPH						
Humidity	M						

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID
Hand Augers
4x4 Trucks

Work Performed: (onsite – 0800; offsite – 1530)

H&S Meeting – HA Stockpile Samples

Collect Hand Auger Soil Samples from 17 stockpile locations (164/164)

- Stockpile sampling is completed and the samples will be shipped to Kat. Analytical Lab on 4/23/18.

Dispose of IDW water at WWTP.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 033**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/22/2018

Quality Control Activities (including field calibrations):

Calibrate PID

Stake in the day's sample locations

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron and Brant Hylinski (ATI); James Tinnell and Tyler Batunabacal (GSI)

H&S Meeting – Hand Auguring, insects, and stockpile traversing

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 034**

Date - 4/23/2018

	S	M	T	W	Th	F	S
Weather		Sunny					
Temp		40-60F					
Wind		5MPH					
Humidity		M					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

Trimble GPS unit

4x4 Trucks

Work Performed: (onsite – 0830; offsite – 1730)

H&S Meeting – Slips, Trips, and Falls

Repaired gate and fencing to prevent unauthorized site-access.

Marked sample locations using GPS unit in preparation for utility clearance and Shift 4 field work starting on April 30th.

Inspect newly installed wells, waste bins, and facilities at site for security and completeness.

Demobilize from site.

**DAILY QUALITY CONTROL REPORT - 034**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/23/2018

Quality Control Activities (including field calibrations):

Stake in the Shift 4 sample locations for later utility clearance.

Health and Safety Level Activities / Field Staff on Site:

Staff –Stuart Cameron, Brant Hylinski, and David Nelson (ATI)

H&S Meeting – Slips, Trips, and Falls

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

None.

Signature: Stuart Cameron

Title: Engineer



Photograph 1: Project Manager David Nelson shown inspecting BKRD-LGIA-MW09.



Photograph 2: Shown is the repaired barbed wire fence adjacent to the staging area to prevent unauthorized access into the site.



Photograph 3: Shown is the newly repaired gate with a new padlock further preventing unauthorized access into the site

**DAILY QUALITY CONTROL REPORT - 035**

Date - 4/30/2018

	S	M	T	W	Th	F	S
Weather		Sunny					
Temp		60-80F					
Wind		25MPH					
Humidity		M					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

Trimble GPS unit

PID MiniRae

4x4 Trucks

Work Performed: (onsite – 0730; offsite – 1600)

H&S Meeting – Slips, Trips, and Falls

Collected samples from 19 surface soil locations at Tract 19C (19/76 Samples collected).

Shipped samples to Katahdin Laboratories via FedEx.

Cleared tracts for utilities using private utility contractor J-Spot.

Stake in BKRD-1 locations for MW Installation.

The soil IDW roll off container was emptied during the day by Mid-Nebraska Disposal and replaced with an empty container.

Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 035**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 4/30/2018

Quality Control Activities (including field calibrations):

Stake in remaining Shift 4 sample locations.
Complete utility locates at Tract 19C and BKRD-1.

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron and Brant Hylinski (ATI)

H&S Meeting – Slips, Trips, and Falls

Problems Encountered/Corrective Action Taken/Comments:

BKRD-1 is located in an area that had been used as a soil repository by the Central Nebraska NDR for a retention lake on the section of land northwest of Tract 21C and west of Tract 20B. The berm extends throughout the majority the BKRD-1 with the exception of the southern fifth of the area. The berm is between 5-10' high, has been graded, and has native grasses throughout. All of the proposed BKRD-1 sample and monitoring well (MW) installation points are on top of the berm with exception of three MW locations (MW05, MW-14, and MW15). Locations MW05 and MW14 are located on a crushed rock staging area that extends from the berm to approximately 20' north of the MW15 location.

Appropriate staff were notified of the situation and drilling will be delayed until the issue is resolved.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Looking north at the dirt/rock staging area and berm in the southern portion of BKRD-1.



Photo 2 – The empty IDW soil roll off that replaced the full roll off in the southern staging area.

**DAILY QUALITY CONTROL REPORT - 036**

Date - 05/01/2018

	S	M	T	W	Th	F	S
Weather			Partly Cloudy				
Temp			60-80F				
Wind			5MPH				
Humidity			M				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID MiniRae

AT-CME55

4x4 Trucks

Work Performed: (onsite – 0730; offsite – 1500)

H&S Meeting – Slips, Trips, and Falls

Collected samples from 57 surface soil locations at Tract 19C (76/76 Samples collected).

Ship samples to Katahdin Laboratories via FedEx.

Completed three lithological borings at Tract 19C to define DPT groundwater sampling intervals for sampling during remainder of shift.

Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 036**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/01/2018

Quality Control Activities (including field calibrations):

Calibrated PID

Health and Safety Level Activities / Field Staff on Site:

Staff – Alex Hedgepath (HGL); Stuart Cameron and Brant Hylinski (ATI); M. Wold, R. Hopkins, and D. Perry (GSI)

H&S Meeting – Slips, Trips, and Falls
AT CME 55 rig inspection

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

The lithological drilling at Tract 19C helped determine that the UGIA and LGIA sample intervals for the DPT GW sampling will be 16-20' bgs and 28-32 bgs, respectively.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – The AT CME55 preparing to mobilize to Tract 19C to complete the lithological borings.



Photo 2- A farmer, who farms the land to the southeast of the intersection parked his tractor trailer on the edge of the staging area.



Photo 3 – A common Gardner snake that was stumbled upon while soil sampling Tract 19C. Insects were also out with the warmer weather.

**DAILY QUALITY CONTROL REPORT - 037**

Date - 05/02/2018

	S	M	T	W	Th	F	S
Weather				Partly Cloudy			
Temp				50-70F			
Wind				5MPH			
Humidity				M			

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID MiniRae
AT-CME55
CAT Skidsteer
4x4 Trucks
YSI 556
LaMotte Turbidity Meter

Work Performed: (onsite – 0730; offsite – 1630)

H&S Meeting – Slips, Trips, and Falls
Collected groundwater (GW) samples from 7 DPT GW locations at Tract 19C (7/30)
Collect soil samples from 2 SS/SB locations at BKRD-1.
Installed 2/10 MWs at BKRD-1.
Shipped samples to Katahdin Laboratories via FedEx.
Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 037**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/02/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI 556, and LaMotte Turbidity Meter

CrVI samples at DPT GW Tract 19C were collected after 2pm to allow the lab adequate time to process samples.

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold, R. Hopkins, R. Schumaker, and D. Perry (GSI)

H&S Meeting – Slips, Trips, and Falls

AT CME 55 and 6600 Geoprobe inspections

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

Central Platte NRD will be contacted tomorrow morning to verify the berm/soil situation at BKRD-1. The area shows signs of excavation and, after speaking with the Site Supervisor at the earth moving project to the north, we believe NRD may be in the process of excavating soil that was stockpiled 7-10 years ago. The site supervisor said that NRD was aware the land was owned/leased by the Army and was in the process of completing site restoration in the area. NRD will be contacted prior to any drilling being completed on top of the bermed area.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Preparing to begin DPT GW sampling at Tract 19C.



Photo 2 – Installed MW at BKRD-1, near the excavated soil/berm.



Photo 3- Stakes in BKRD-1 to show the NRD/USACE property line. The stakes were pointed out by the Site Supervisor for the construction area to the north.

**DAILY QUALITY CONTROL REPORT - 039**

Date - 05/04/2018

	S	M	T	W	Th	F	S
Weather						Sunny	
Temp						55-75F	
Wind						5MPH	
Humidity						M	

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID MiniRae
AT-CME55
CAT Skidsteer
4x4 Trucks
YSI 556
LaMotte Turbidity Meter

Work Performed: (onsite – 0730; offsite – 1730)

H&S Meeting – Slips, Trips, and Falls
Collected groundwater (GW) samples from 5 DPT GW locations at Tract 19C (20/30)
Installed 3 MWs at BKRD-1 (7/10 installed).
Shipped samples to Katahdin Laboratories via FedEx to the Saturday sample receiving address.
Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 039**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/04/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI 556, and LaMotte Turbidity Meter

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold, R. Schumaker, and D. Perry (GSI)

H&S Meeting – Slips, Trips, and Falls
AT CME 55 and 6600 Geoprobe inspections

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

G0065 (associated with DPT sample location 19C-UGIA-DPT01) was found to be improperly abandoned while scouting out DPT locations. The well casing is still in the ground, while the security casing, bollards, concrete, and parts of the well casing are strung about the area.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – G0065 (associated with DPT point 19C-UGIA-DPT01) has been improperly abandoned. The remains of the MW were noted during the staking out of sampling locations.



Photo 2 – The well casing of G0065 that marks the remnants of where the well had been installed.

**DAILY QUALITY CONTROL REPORT - 038**

Date - 05/03/2018

	S	M	T	W	Th	F	S
Weather					Cloudy/Rain		
Temp					45-65F		
Wind					5MPH		
Humidity					H		

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID MiniRae
AT-CME55
CAT Skidsteer
4x4 Trucks
YSI 556
LaMotte Turbidity Meter

Work Performed: (onsite – 0730; offsite – 1730)

H&S Meeting – Slips, Trips, and Falls
Collected groundwater (GW) samples from 8 DPT GW locations at Tract 19C (15/30)
Installed 2 MWs at BKRD-1 (4/10 installed).
Shipped samples to Katahdin Laboratories via FedEx.
Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 038**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/03/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI 556, and LaMotte Turbidity Meter

CrVI samples at DPT GW Tract 19C were collected after 2pm to allow the lab adequate time to process samples.

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold, R. Hopkins, R. Schumaker, and D. Perry (GSI)

H&S Meeting – Slips, Trips, and Falls

AT CME 55 and 6600 Geoprobe inspections

Work was stopped between approximately 1230 and 1315 due to storms in the area. The site received heavy rain and minor hail.

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

The NDR verified that the bermed area at BKRD-1 was in the process of being excavated; but the excavation schedule would allow time for the BKRD-1 wells to be installed and sampled in the meantime. Soil samples from the area are currently in the process of having their locations changed unaffected areas.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Preparing samples jars for collect at Tract 19C for the DPT GW sampling.



Photo 2 – The 6600 Geoprobe became stranded in Tract 19C due to heavy rains during the noon hour, a chain link fence (which was stitched/stapled together) was opened to allow the Geoprobe to exit the site.



Photo 3 – After the Geoprobe was able to get out of Tract 19C the fence was mended back to its original condition.

**DAILY QUALITY CONTROL REPORT - 040**

Date - 05/05/2018

	S	M	T	W	Th	F	S
Weather							Sunny
Temp							55-80F
Wind							5MPH
Humidity							M

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID MiniRae
AT-CME55
CAT Skidsteer
4x4 Trucks
YSI 556
LaMotte Turbidity Meter

Work Performed: (onsite – 0730; offsite – 1730)

H&S Meeting – Slips, Trips, and Falls
Collected groundwater (GW) samples from 7 DPT GW locations at Tract 19C (26/30).
Installed 2 MWs at BKRD-1 (9/10 installed).
Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 040**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/05/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI 556, and LaMotte Turbidity Meter

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold, R. Hopkins, and D. Perry (GSI)

H&S Meeting – Slips, Trips, and Falls
AT CME 55 and 6600 Geoprobe inspections

Work was stopped at 1700 due to lightning in the area.

Problems Encountered/Corrective Action Taken/Comments:

During the DPT GW sampling at Tract 19C, a sample point screen/sheath was lost downhole during hole abandonment at UGIA-DPT29. The sample was able to be collected, but when the rods were being pulled, the screen section and associated sheath became stuck and dislodged at approximately 12' bgs. The field crew worked for approximately 30 minutes to try and retrieve the sample point but was unsuccessful. The hole was left open incase the drilling contractor had different resources to get the lost sample point. If it is unable to be retrieved, the hole will be abandoned.

Special Notes

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 041**

Date - 05/06/2018

	S	M	T	W	Th	F	S
Weather	Sunny						
Temp	60-80F						
Wind	5MPH						
Humidity	M						

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

PID MiniRae
AT-CME55
CAT Skidsteer
4x4 Trucks
YSI 556
LaMotte Turbidity Meter

Work Performed: (onsite – 0730; offsite – 1530)

H&S Meeting – Slips, Trips, and Falls
Collected groundwater (GW) samples from 4 DPT GW locations at Tract 19C (30/30).
Installed 1 MWs at BKRD-1 (10/10 installed).
Demobilize from site for day.



DAILY QUALITY CONTROL REPORT - 041

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/06/2018

Quality Control Activities (including field calibrations):

Calibrated PID, YSI 556, and LaMotte Turbidity Meter

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold, R. Hopkins, and D. Perry (GSI)

H&S Meeting – Slips, Trips, and Falls
AT CME 55 and 6600 Geoprobe inspections

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – A “log roll setup using plywood to cross a swampy retention area to the north of Tract 19C to gain access to the UGIA-DPT01 location.



Photo 2 – The DPT handler maneuvering the 6600 Geoprobe rig across the plywood to keep from sinking into the soft ground.



Photo 3 – The Geoprobe demobilizing from site at the completion of the Tract 19C GW DPT sampling.

**DAILY QUALITY CONTROL REPORT - 042**

Date - 05/07/2018

	S	M	T	W	Th	F	S
Weather		Sunny					
Temp		60-80F					
Wind		5MPH					
Humidity		M					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

CAT Skidsteer
4x4 Trucks
YSI 556
MW Development pump
GPS Trimble
LaMotte Turbidity Meter

Work Performed: (onsite – 0830; offsite – 1730)

H&S Meeting – Moving heavy objects.
Site tour to USACE/State officials (onsite from approximately 900-1015).
MW development at 3 BKRD-1 locations (3/10).
Surface completion and weep hole installation at 10 BKRD-1 locations.
GPS shift 5 sampling locations (approximately 25% complete).
Ship samples from 19C DPT weekend sampling to Katahdin Analytical Laboratory.
Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 042**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/07/2018

Quality Control Activities (including field calibrations):

YSI 556 and LaMotte Turbidity Meter calibration

Installed 32 x 32 MW forms prior to concrete work at BKR-D-1.

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold and R. Hopkins (GSI)

Concrete truck / driver on site from 1430-1600

Jim Bond and Patti Thomason (USACE) and Nancy Harris (Nebraska) onsite from 900-1015.

H&S Meeting – Moving heavy objects

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – G0065, at Tract 19C, MW casing packed with hydrated bentonite.



Photo 2 – A small piece of the hydrated bentonite from G0065.

**DAILY QUALITY CONTROL REPORT - 043**

Date - 05/08/2018

	S	M	T	W	Th	F	S
Weather			Sunny				
Temp			60-80F				
Wind			5MPH				
Humidity			M				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks

YSI 556

MW Development pump

GPS Trimble

LaMotte Turbidity Meter

Work Performed: (onsite – 0730; offsite – 1730)

H&S Meeting – Sun and rising temperatures.

MW development at 5 BKRD-1 locations (8/10).

GPS shift 5 sampling locations (approximately 100% complete).

Sample 6 replacement SS/SB samples for BKRD-1.

Ship samples from BKRD-1 replacement sampling to Katahdin Analytical Laboratory.

Dump MW Development water at WWTP.

Demobilize from site for day.

**DAILY QUALITY CONTROL REPORT - 043**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 05/08/2018

Quality Control Activities (including field calibrations):

YSI 556 and LaMotte Turbidity Meter calibration

Health and Safety Level Activities / Field Staff on Site:

Staff –Alex Hedgepath (HGL); Stuart Cameron, Brant Hylinski, Xavier Chagolla (ATI); M. Wold and R. Hopkins (GSI)

H&S Meeting – Sun and rising temperatures

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

Pieces of abandoned MWs at Tract 19C will be picked up as time permits during Shift 5. Pieces that cannot be easily disposed of by field crew will be kept in place.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – Staked in locations for Shift 5 at Tract 21B-BPA. Area is covered in saplings and surrounded by a barbed wire fence. Access to the area during shift 5 should not be an issue, but there is the chance of saplings to be pushed over or an access path to be made through the outer fencing.

**DAILY QUALITY CONTROL REPORT - 044**

Date - 5/9/2018

	S	M	T	W	Th	F	S
Weather					Sunny		
Temp					50/80 F		
Wind					10 MPH		
Humidity					30%		

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks
Pumps
Water Tanks

Work Performed: (onsite – 0800; offsite – 1100)

H&S Meeting – including general site safety
Mobilize to site for day.
Developed monitoring wells BKRD-UGIA-MW05 and BKRD-LGIA-MW15.
Discharge 200 gallons of development water at the water treatment station.
Demobilize from site – end of 10-day session.

**DAILY QUALITY CONTROL REPORT - 044**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 5/9/2018

Quality Control Activities (including field calibrations):

Calibrated water quality meters (turbidity meter and YSI)

Health and Safety Level Activities / Field Staff on Site:

Staff – Stuart Cameron, Xavier Chagolla, and Brant Hylinski (ATI) and Roy Hopkins (GSI).

H&S Meeting – No new crew members or activities were introduced to the agenda, so a standard daily tailgate meeting was conducted. Topics included slips, trips, falls, overheating, and sun protection (sunscreen).

Problems Encountered/Corrective Action Taken/Comments:

No problems were encountered during today's activities.

Special Notes

Signature: Stuart Cameron

Title: Engineer

**DAILY QUALITY CONTROL REPORT - 045**

Date - 5/14/2018

	S	M	T	W	Th	F	S
Weather		Rainy/Overcast					
Temp		60-80F					
Wind		5MPH					
Humidity		H					

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks
AT CME55
6600 Geoprobe
PIDs
Skidsteer

Work Performed: (onsite – 0800; offsite – 16300)

H&S Meeting – including general site safety

Mobilize to site for day.

Collect SS/SB samples from 9 locations at 21B-DS (1 1/12 locations completed) for VOCs, Explosives, and Metals (including CrVI at some locations).

Install 2 MWs at 21B-DS (2/4 wells installed).

Demobilize from site for the day.

**DAILY QUALITY CONTROL REPORT - 045**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 5/14/2018

Quality Control Activities (including field calibrations):**Calibrated PID**

Checked site and bottles due to open Connex box at staging area on arrival to site (see special note).

Health and Safety Level Activities / Field Staff on Site:

Staff – A. Hedgepath (HGL); S. Cameron, X. Chagolla, and B. Hylinski (ATI); and M. Wold, J. Tinnell, T Batungoc, R. Hopkins (GSI).

H&S Meeting – General site safety and weather

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

Upon arrival to site, the field team discovered that the right door to the connex box at the staging area was open with the lock (still in working order) attached and locked to the door. However, the lock was not locked to the locking bar mechanisms. The inside of the connex box did not appear to be vandalized and no equipment was out of place or missing. A barn swallow had begun to make a nest out of a roll of paper towels; which was the only sign of entrance into the connex box.

The ATI field staff are confident that the connex box was locked properly upon demobilization from site on May 9th and suspect someone tampered with it after they had demobilized. Due to the possibility of potential tampering with the sample jars in storage, the bottles will not be used and will be thrown out.

Attached are photos of the lock and open door as seen when first arriving at site.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – The intact lock as it was found by the field crew upon mobilization.



Photo 2 – The door to the connex box upon arrival to site.

**DAILY QUALITY CONTROL REPORT - 046**

Date - 5/16/2018

	S	M	T	W	Th	F	S
Weather			Sunny				
Temp			60-80F				
Wind			5MPH				
Humidity			M				

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks
AT CME55
6600 Geoprobe
PIDs
Skidsteer

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – including general site safety

Mobilize to site for day.

Disposed of unused sample bottles that had been stored in the connex box.

Collect SS/SB samples from 1 locations at 21B-DS (12/12 locations completed) for VOCs, Explosives, and Metals (including CrVI at some locations).

Collect SS/SB samples from 6 locations at 21B-BB (6/6 locations completed) for Explosives and Metals (including CrVI and SPLP at some locations).

Collect SS/SB samples from 11 locations at 21B-BPA (11/22) for Explosives and Metals (including CrVI at some locations).

Install 2 MWs at 21B-DS (4/4 wells installed).

Ship collected samples to Katahdin Analytical Laboratory via FedEx.

Demobilize from site for the day.

**DAILY QUALITY CONTROL REPORT - 046**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 5/15/2018

Quality Control Activities (including field calibrations):**Calibrated PID**

Disposed of sample bottles from the connex box.

Health and Safety Level Activities / Field Staff on Site:

Staff – A. Hedgepath (HGL); S. Cameron, X. Chagolla, and B. Hylinski (ATI); and M. Wold, J. Tinnell, T Batungoc, R. Hopkins (GSI).

H&S Meeting – General site safety and weather

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

None.

Signature: Alex Hedgepath

Title: Associate Geologist

**DAILY QUALITY CONTROL REPORT - 047**

Date - 5/16/2018

	S	M	T	W	Th	F	S
Weather				Sunny			
Temp				60-80F			
Wind				5MPH			
Humidity				M			

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks
AT CME55
PID
Skidsteer

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – including general site safety
Mobilize to site for day.
Collect SS samples from 11 locations at 21B-BPA (22/22) for Explosives and Metals.
Install 2 MWs at 21B-BB (2/2 wells installed).
Install 1 MW at 21B-BPA (1/4 wells installed).
Ship collected samples to Katahdin Analytical Laboratory via FedEx.
Collect water levels and total depths from 21B existing monitoring wells (11/11 water levels collected).
Replaced locks at three monitoring wells at 21B-BPA.
Demobilize from site for the day.

**DAILY QUALITY CONTROL REPORT - 047**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 5/16/2018

Quality Control Activities (including field calibrations):**Calibrated PID**

Began collecting total depths for existing wells that will be sampled during shift 6.

Health and Safety Level Activities / Field Staff on Site:

Staff – A. Hedgepath (HGL); S. Cameron, X. Chagolla, and B. Hylinski (ATI); and M. Wold, J. Tinnell, T Batungoc, R. Hopkins (GSI).

H&S Meeting – General site safety and weather

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

A broken well lid was discovered at 21B-BPA – G0071.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – G0071, at 21B-BPA, with a broken lid and scrap metal near well.



Photo 2- The broken lid on G0071 and intact well cap.



Photo 3 – Brush near PRGW05, in 21B-BPA. The lock on the well was rusted shut and had to be removed and replaced.
Three wells at 21B-BPA had broken locks that were replaced.

**DAILY QUALITY CONTROL REPORT - 047**

Date - 5/16/2018

	S	M	T	W	Th	F	S
Weather				Sunny			
Temp				60-80F			
Wind				5MPH			
Humidity				M			

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks
AT CME55
PID
Skidsteer

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – including general site safety
Mobilize to site for day.
Collect SS samples from 11 locations at 21B-BPA (22/22) for Explosives and Metals.
Install 2 MWs at 21B-BB (2/2 wells installed).
Install 1 MW at 21B-BPA (1/4 wells installed).
Ship collected samples to Katahdin Analytical Laboratory via FedEx.
Collect water levels and total depths from 21B existing monitoring wells (11/11 water levels collected).
Replaced locks at three monitoring wells at 21B-BPA.
Demobilize from site for the day.

**DAILY QUALITY CONTROL REPORT - 047**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 5/16/2018

Quality Control Activities (including field calibrations):**Calibrated PID**

Began collecting total depths for existing wells that will be sampled during shift 6.

Health and Safety Level Activities / Field Staff on Site:

Staff – A. Hedgepath (HGL); S. Cameron, X. Chagolla, and B. Hylinski (ATI); and M. Wold, J. Tinnell, T Batungoc, R. Hopkins (GSI).

H&S Meeting – General site safety and weather

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

A broken well lid was discovered at 21B-BPA – G0071.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – G0071, at 21B-BPA, with a broken lid and scrap metal near well.



Photo 2- The broken lid on G0071 and intact well cap.



Photo 3 – Brush near PRGW05, in 21B-BPA. The lock on the well was rusted shut and had to be removed and replaced.
Three wells at 21B-BPA had broken locks that were replaced.

**DAILY QUALITY CONTROL REPORT - 048**

Date - 5/17/2018

	S	M	T	W	Th	F	S
Weather					Sunny		
Temp					65-80F		
Wind					5MPH		
Humidity					50%		

USACE PROJECT MANAGER:

Doug Simpleman

PROJECT:

Cornhusker Army Ammunition Plant

CONTRACT NUMBER:

AT3001

Equipment Onsite:

4x4 Trucks
AT CME55
PID
Water level meters
Skidsteer

Work Performed: (onsite – 0800; offsite – 1630)

H&S Meeting – including general site safety
Mobilize to site for day.
Install 2 MWs at 21B-BPA (3/4 wells installed).
Collect water levels and total depths from 19B/19C existing wells (100% completed).
Replaced locks at all existing wells at 19B/19C.
Complete minor repairs at existing monitoring wells at 19C (see special notes).
Demobilize from site for the day.

**DAILY QUALITY CONTROL REPORT - 048**

PROJECT: Cornhusker Army Ammunition Plant
CONTRACT NUMBER: AT3001.

Date - 5/17/2018

Quality Control Activities (including field calibrations):**Calibrated PID**

Complete collecting total depths for existing wells that will be sampled during Shift 6.

Health and Safety Level Activities / Field Staff on Site:

Staff – A. Hedgepath (HGL); S. Cameron, X. Chagolla, and B. Hylinski (ATI); and M. Wold, J. Tinnell, T Batungoc, R. Hopkins (GSI).

H&S Meeting – General site safety and weather

Problems Encountered/Corrective Action Taken/Comments:

None.

Special Notes

BGMW01 and BGMW02 were discovered to have had their security casing slump. BGMW01 could not be opened due to the height of the cap and casing. BGMW02 could not be closed due to the same reason. A PVC saw was used to cut .56' and .20' off the top of the casing to allow the security lid to close.

Signature: Alex Hedgepath

Title: Associate Geologist



Photo 1 – BGMW01 was not readily opened upon initial encounter by field team.



Photo 2 – BGMW01 closeup. PVC casing extended to far into the security lid to allow the lid to be opened.