

COMPLETION REPORT



Former Underground Storage Tank 117
Building 7002, Release #1
Bulk Fuel Facility (HAA-09)
Facility ID #9-025113*1
Hunter Army Airfield, Georgia

Prepared for



U.S. ARMY CORPS OF ENGINEERS SAVANNAH DISTRICT

Contract No. DACA21-02-D-0004 Delivery Order 0054

July 2006



COMPLETION REPORT FOR FORMER UNDERGROUND STORAGE TANK 117 BUILDING 7002, RELEASE #1 BULK FUEL FACILITY (HAA-09) FACILITY ID #9-025113*1

HUNTER ARMY AIRFIELD, GEORGIA

Prepared for

U. S. Army Corps of Engineers, Savannah District Under Contract Number DACA21-02-D-0004 Delivery Order 0054

Prepared by

Science Applications International Corporation 151 Lafayette Drive Oak Ridge, TN 37830

July 2006

FINAL COMPLETION REPORT

Facility Nan	ne: Former UST 117, Release #1 Stree	et Address:	Bulk Fuel Facility, Building 7002
Facility ID:	9-025113*1 City: <u>Savannah</u> C	ounty: Cha	atham Zip Code: 31409
Latitude: _	32°01'43" Longitude: 81°08'37"		
Submitted b	y UST Owner/Operator:	Prepared by	Consultant/Contractor:
Name:	Thomas C. Fry/Environmental Branch	Name:	Patricia A. Stoll
Company:	U. S. Army/HQ 3d, Inf. Div. (Mech)	Company:	SAIC
Address:	Directorate of Public Works, Building 1137	Address:	P.O. Box 2501
	1550 Frank Cochran Drive		
City:	Fort Stewart State: GA	City:	Oak Ridge State: TN
Zip Code:	31314-4927	Zip Code:	37831
Telephone:	(912) 767-2010	Telephone:	(865) 481-8792
accordance engineer, I of Professi attachments Name: Patr Signature:_ Date:	7/12/06	gistered profe rofessional, a nd laboratory	essional geologist and/or professional as defined by the Georgia State Board y data in this plan and in all of the
CERTIFIC	CAE OF COMPLETION		A. 510
Facility ID accordance	ertify that the Corrective Action Plan-Part 1 #: 9-025113*1, including any and all certifications, sampling with the schedules, specifications, sampling stated objectives have been met.	fied amendm	ents thereto, had been implemented in
Signature ((Owner/Operator)		

The objective of the monitored natural attenuation corrective action implemented at Former Underground Storage Tank (UST) 117, Release #1, at the Bulk Fuel Facility (BFF) was to reduce the concentrations of benzene and naphthalene in groundwater to below the alternate concentration limit (ACL) of 634 and 820 µg/L, respectively. The results of the semiannual monitoring only program for Release #1 were documented in the First Annual Monitoring Only Report (SAIC 2003). The remedial action was conducted in accordance with Section III of the Corrective Action Plan (CAP)-Part B Report (SAIC 2001). Georgia Environmental Protection Division (GA EPD) Underground Storage Tank Management Program (USTMP) provided comments on the CAP-Part B Report in correspondence dated September 28, 2001. Termination conditions in the CAP-Part B Report indicated that termination would be requested once the measured benzene and naphthalene concentrations were below their respective ACL.

Fort Stewart Directorate of Public Works requested a No Further Action Required (NFAR) status for Release #1 in the First Annual Monitoring Only Report (SAIC 2003), which was submitted to GA EPD USTMP on September 3, 2003. In correspondence dated October 6, 2003, GA EPD USTMP granted the request for NFAR at UST 117, Release #1, Building 7002, Facility ID #9-025113*1. However, a second release was discovered at Building 7009 during the semiannual sampling and, as a result, monitoring and free product removal activities have been conducted at Release #2 since July 2004.

On February 15, 2006, the 23 monitoring wells that are located throughout the BFF, but not associated with the activities that are being conducted with respect to Release #2, were abandoned. The wells abandoned in February 2006 include MW-01, -02, -03, -06, -07, -08, -09, -10, -11, -12, -13, -14, -17, -18, -20, -21R, -22, -23, -28, -29, -30, -31, and -32. Six monitoring wells located around the perimeter of the bermed area could not be located either due to destruction by construction activities or due to the over growth of vegetation. These wells include MW-15, -16, -19, -24, -33, and -34. The wells around the perimeter of Building 7009 remain intact for the monitoring of Release #2. The well abandonment logs are provided in Appendix A and photographs of the abandoned well locations are provided in Appendix B.

APPENDIX A MONITORING WELL ABANDONMENT LOGS



MONITORING WELL ABAND	OONMENT LOG	WELL NO
		ABANDOBNMENT DATE
LOCATION [] Hinesville, Liberty County, Georgia [/	Savannah, Chatham County, Geo	orgia
UST 117 (BV/K FUR)	1 Facility	* 7
EPTH TO WATER (FLEGO): TOC 3.19	DEPTH TO BOTTOM OF WELL \$\times 15 \text{ BL} :	5
Tothed Scran 34 SCH 40 PUC	SURFACE COMPLETION TYPE CONCRE	to Fush prante
	QUANTITY OF CROUND USED (GALLONS) Grant 5	
GROUT PLACEMENT METHOD ROUT From top	SURFACE PATCH CONCrofp	
1	SITE MAP	
MW-02-05 MW-05-05 MW-05-05 MW-05-05 MW-05-05 MW-05-05 MW-05-05 MW-15-05 MW-15-	MN-22 MN-30 MN-32 MN-32 MN-32 MN-32	ASE *2 DING 7009)
LEGEND	SAVANNAF SAVANNAF FORMER UST 117, BUI FACILITY ID: 9-0 SITE MAP	LDING 7002
Figure B-2. Location Map of the Form		

		WELL NO
MONITORING WELL ABANDON	MENT LOG	MW-OZ
OWNER/FACILITY OPERATOR [*] Fort Stewart [/] Hunter Army Airfield		ABANDOBNMENT DATE Z/15/06
LOCATION [] Hinesville, Liberty County, Georgia [] Sav	vannah, Chatham County, Ge	orgia
SITE UST 117 (BUK FURL)	Eggility)	
	PTH TO BOTTOM OF WELL 15 B	15
	PRACE COMPLETION TYPE finevete Ph d Fi	ish pryahole
GROUT MIXTURE Portlant Bontonite	ANTITY OF GROUND USED (GALLONS)	
/	Concret P	
SITE	MAP	
MN-13 MN-13 MN-13 MN-17 MN-34	290 005 MN-37 RE 290 005 MN-37 WN-24 WN-32 WN-33	-MN-E6 -MN-E5 -MN-E4 -E3 ELEASE *2 UILDING 7009)
BULK FUEL MW-16 MW-18	RELEASE *1 (BUILDIN NFAR ON 10-06-03	NG 7002/7003)
LAMAR CANAL LEGEND CAP-PART A MONTORING WELL CAP-PART B MONTORING WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	CORPS SAVA SAVA Company of the com	9-025113•2 MAP
Figure B-2. Location Map of the Former I	UST 417 (Bulk Fuel Facility)	

W

MONITORING WELL ABAND	ONMENT LOG	MELL NO MW-03
OWNER/FACILITY OPERATOR [] Fort Stewart [// Hunter Army Airfield		ABANDOBNMENT DATE
LOCATION [] Hinesville, Liberty County, Georgia	Savannah, Chatham County, Geo	
UST 117 (BULK FUR)	Farility	and the
DEPTH TO WATER (FT. BGG): TOL 2.45	DEPTH TO BOTTOM OF WELL	
WELL CONSTRUCTION MATERIAL SCH 40 DVC Slotted SCreen 34	SURFACE COMPLETION TYPE LON CUEL DAY Flush	mynhde
Partland 1 Bantonite	QUANTITY OF GROUND USED (GALLONS)	
POVI From TOP	SURFACE PATCH CONCre de	
	TE MAP	3
MW-13 MW-15 MW-15 MW-15 MW-15 MW-16	MN-26 MN-26 MN-26 MN-26 MN-26 MN-26 MN-26 MN-26 MN-26 MN-27 MN-27 MN-27 MN-27 MN-27 MN-28 MN-29 MN-30 MN-24 MN-29 MN-30 MN-24 MN-29 MN-30 MN-24 MN-29 MN-20 MN	E *2 NG 7009)
LEGEND CAP-PART A MONITORING WELL	U.S. ARMY ENGINEE CORPS OF ENG	INEERS
CAP-PART B MONITORNO WELL C) FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	FORMER UST 117, BUILDI FACILITY ID: 9-0251	NG 7002
	LE: 1" = 200' S.DUNLAP 0/08-22-05 97028/DCNS/8	32C001CD-DCW
Figure B-2. Location Map of the Former U	ST 417 (Bulk Fuel Facility)	

	1	WELLING		
MONITORING WELL ABANDO	ONMENT LOG	MW-06		
OWNER/FACILITY OPERATOR		ABANDOBNMENT DATE		
[] Fort Stewart [/ Hunter Army Airfield		2/15/06		
LOCATION [] Hinesville, Liberty County, Georgia [⊀	Savannah, Chatham County, Geo	orgia		
SITE UST 117 (BUIK FUOL)	Facility)			
DEPTH TO WATER (FT. 883): 70 3 . 30	DEPTH TO BOTTOM OF WELL	S		
WELL CONSTRUCTION MATERIAL	SURFACE COMPLETION TYPE			
SCH 40 PUC Slotted Severy 34		4nho/10		
Portland Bentonite	QUANTITY OF GROUND BSED (GALLONS)			
GROUT PLACEMENT METHOD	SURFACE PATCH			
Your From TO	Concret			
SI	TE MAP			
MW-02-03 MW-02-03 MW-02-03 MW-03-03 MW-03-03 MW-13-05 MW-13-05 MW-13-05 MW-15-05 MW-15-05 MW-17-05 MW-18-03 MW-18-	MN-E3 MN-28 MN-28 MN-28 MN-29 MN-29 MN-31 MN-E2 MN-31 MN-E2 MN-31 MN-E2 MN-31 MN-E2 MN-31 MN-E2	EASE *2 LDING 7009)		
LEGEND CAP-PART A MONTORNO WELL CAP-PART B MONTORNO WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	CORPS OF SAVANNY The International Control Co	025113•2		
Figure B-2. Location Map of the Former UST 117 (Bulk Fuel Facility)				



MONITORING WELL ABANDO	DNMENT LOG	WELL NO MW-07
OWNER/FACILITY OPERATOR [] Fort Stewart [/ Hunter Army Airfield		ABANDOBNMENT DATE 2/15/06
[] Hinesville, Liberty County, Georgia	Savannah, Chatham County, Geor	rgia
SITE UST 117 (Bulk Fool Face	cility	
DEPTH TO WATER (FT BGS): 8 TOC 3.55	DEPTH TO BOTTOM OF WELL 2 15 BL	
SCH 46 PVC Slotted Severy 34	SURFACE COMPLETION TYPE LONGROPH PACT FLUS 4	man holp
GROUT MIXTURE, YOU HEAD BEN FONT P	QUANTITY OF GROUND USED (GALLONS)	
PONT From TO P	SURFACE PATCH 16nerstp	
/	TE MAP	
MW-13 MW-14 MW-15 MW-17 MW-16 MW-18 MW-18	MN-29 005 MN-11 MN-E2 MN-24 MN-32 MN-33	ASE *2 DING 700
LEGEND CAP-PART A MONTORING WELL	U.S. ARMY ENGI	
CAP-PART B MONITORING WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED 0	SAVANNAH. STATEMENT (1) STATE	DING 7002
Figure B-2. Location Map of the Former	r UST 417 (Bulk Fuel Facility)	

MONITORING WELL ABAN	DONMENT LOG	WELL NO MW-08
OWNER/FACILITY OPERATOR [] Fort Stewart [] Hunter Army Airfield		ABANDOBNMENT DATE
[] Hinesville, Liberty County, Georgia [Savannah, Chatham County, Geo	orgia
NST 117 (BULK FE	vel Facility)	D <
DEPTH TO WATER (FT 800): BTOC 3. Z 9	DEPTH TO BOTTOM OF WELL 15 BL S	
WELL CONSTRUCTION MATERIAL 34" SC It 40 PUC SINTED SLUEP	SURFACE COMPLETION TYPE	n pranholo
GROUT MIXTURE PORTLAND BANTONITE	QUANTITY OF GROUND USED (GALLONS)	
POW From TO P	SURFACE PATCH COncrete	
1	SITE MAP	
MW-13-01-01-01-01-01-01-01-01-01-01-01-01-01-	1009 MW-E1 MW-16 MW-61 M	EASE *2 LDING 7009)
LEGEND CAP-PART A MONTORNO WELL CAP-PART B MONTORNO WELL FORMER ABOVEGROUND STORAGE TANK	CORPS OF	GINER DISTRICT P ENGINERS AH, GEORGIA UILDING 7002 -025113*2
ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	O 100 200 SITE MA	A P 8/DGNS/832C001C0.DGN
Figure B-2. Location Map of the F	Former UST 117 (Bulk Fuel Facility)	

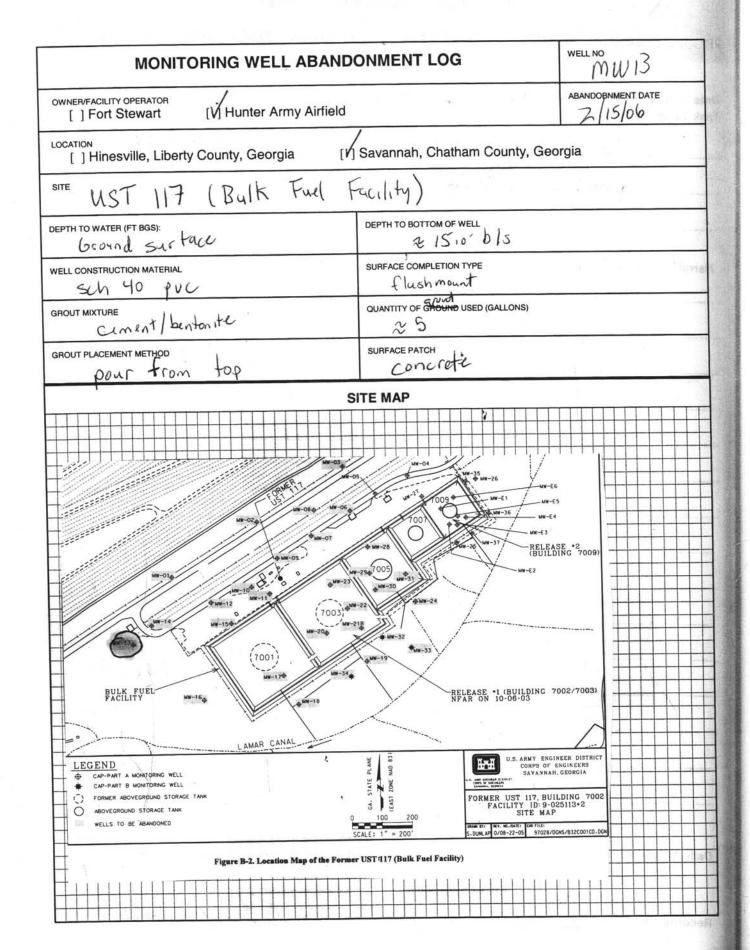
MONITORING WELL ABANDONMENT LOG		WELL NO MW-09
OWNER/FACILITY OPERATOR [] Fort Stewart [Y Hunter Army Airfield	ia .	ABANDOBNMENT DATE
COCATION Hinesville, Liberty County, Georgia 日本	Savannah, Chatham County, Geo	orgia
UST 117 (BULK FUR)	Eggility)	
DEPTH TO WATER (FT. 2005). BToC 3.63	DEPTH TO BOTTOM OF WELL	
SCH 40 pvc 5/0Hcd 50veen 4	SURFÀCE COMPLETION TYPE	sy munhole
Portland Bentonite	QUANTITY OF GROUND USED (GALLONS)	
POUR FROM TO P	SURFACE PATCH CONCRETE	
/ sin	ГЕ МАР	
	NN-04	
Street 1	MN-26 MN-66 MN-66 MN-66	5
MW-08-0-MW-07	7007 MW-E4	
The state of the s	294 7005 MM-E2	SE *2 1NG 7009)
MW-10 WW-11 (7003) WW-14	MW-30 фMW-24	
MR-13 ₆ (7001)	\$100-32 \$100-33	
BULK FUEL MW-16 MW-18	RELEASE *1 (BUILDING 7) NFAR ON 10-06-03	002/7003)
LAMAR CANAL		
LEGEND CAP-PART A MONTORING WELL	U.S. ARMY ENGI CORPS OF 1 SAVANNAH	ENGINEERS
CAP-PART B MONTORNG WELL CAP-PART B MONTORNG WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED MELLS TO BE ABANDONED		25113•2
Sc	CALE: 1" = 200' S.DUNLAP 0/08-22-05 97028/0	GNS/B32C001CD-0GN
Figure B-2. Location Map of the Former	- UST 317 (Bulk Fuel Facility)	

MONITORING WELL ABANDONMENT LO	MW-10
OWNER/FACILITY OPERATOR [] Fort Stewart [/ Hunter Army Airfield	ABANDOBNMENT DATE Z/15/05
LOCATION [] Hinesville, Liberty County, Georgia [] Savannah, Cha	atham County, Georgia
SITE UST 117 (BUIK FURL Egeility)	
DEPTH TO WATER (FT.BGO). 2.44 DEPTH TO BOTTOM	OF WELL 15
WELL CONSTRUCTION MATERIAL SOLF 40 DVC SIOHRED SEVERN 4 CONCRET SI	
GROUT MIXTURE QUANTITY OF GROUNTITY OF GROUN	JIND USED (GALLONS)
CUREACE BATCH	erete
SITE MAP	
MM-05 MM-05 MM-05 MM-06 MM-06 MM-06 MM-20 MM-20 MM-27 MM-15 MM-15 MM-17 MM-17 MM-17 MM-17 MM-17 MM-18	04 WY-35 MW-26 MW-E1 MW-E5 MW-E3 MW-E3 MW-E3 MW-E2 (BUILDING 7009) MW-E2 MW-E2 MW-E3 RELEASE *1 (BUILDING 7002/7003) NFAR ON 10-06-03
LEGEND CAP-PART A MONTORNO WELL CAP-PART B MONTORNO WELL CAP-PART B MONTORNO WELL ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED VERY STORAGE TANK WELLS TO BE ABANDONED SCALE: 1" = 200'	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH, GEORGIA **DOWN OF COMMENT OF C
Figure B-2. Location Map of the Former-UST 117 (Bulk Fu	nel Facility)

MONITORING WELL ABAND	ONMENT LOG	WELL NO MW-(1
OWNER/FACILITY OPERATOR [] Fort Stewart [] Hunter Army Airfield		ABANDOBNMENT DATE 02/15/06
LOCATION [] Hinesville, Liberty County, Georgia [✓]	Savannah, Chatham County, Ge	orgia
UST 117 Bulk Fuel Facil	lify)	
DEPTH TO WATER (FT.BGS) BTOC 0.76	DEPTH TO BOTTOM OF WELL	
WELL CONSTRUCTION MATERIAL 5 CH 40 PVC Slotted SCREP 9 4	Concete 140 Flus	n manhole
GROUT MIXTURE VONHLAND BAN HINITP	QUANTITY OF GROUND USED (GALLONS)	
POW From TOP	SURFACE PATCH LONCETP	
/	ITE MAP	
BULK FUEL FACILITY MN-15- MN-15- MN-15- MN-15- MN-15- MN-15- MN-17- MN-18- LEGEND CAP-PART A MONITORING WELL CAP-PART B MONITORING WELL FORMER ABOVEGROUND STORAGE TANK	WW-23 WW-30 WW-31 WW-32 WW	MW-E6 MW-E5 MW-E4 MW-E3 RELEASE *2 (BUILDING 7009 -E2 MY ENGINEER DISTRICT RPS OF ENGINEERS AVANNAH, GEORGIA 17, BUILDING 7002 10: 9-025113*2
ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	0 100 200 SIT SCALE: 1" = 200" S.DUNLAP 0/08-22-05	E MAP
Figure B-2. Location Map of the	Former UST 117 (Bulk Fuel Facility)	



MONITORING WELL ABANDO	NMENT LOG	,	WELL NO	-12	2
OWNER/FACILITY OPERATOR ABANDOBNA		Z/15/	/ /	E	
LOCATION [] Hinesville, Liberty County, Georgia	Savannah, Chatham	County, Georg	jia		8
UST 117 (BUIK FUPL FG.	cility)				
DEPTH TO WATER (FLEGS): 870C 3./6	DEPTH TO BOTTOM OF WELL \approx 15.0 b	15			
WELL CONSTRUCTION MATERIAL SCH 40 DVC 5/0 HPd SCRP1	SURFACE COMPLETION TYPE	unt Concrete	c manh	ole	
GROUT MIXTURE Cement / bentonite	QUANTITY OF GAOUND USED	(GALLONS)			
GROUT PLACEMENT METHOD PONT from Jop	surface patch Concrete	12 141			
	E MAP				
MN-02-03-03-04-05-05-05-05-05-05-05-05-05-05-05-05-05-	MH-22 -218 218 	MW-26 MW-26 MW-21 MW-61 MW-63 MW-63 MW-63 MW-62 MW-62			
BULK FUEL MN-16 BULK FUEL MN-16 LAMAR CANAL LAMAR CANAL LAMAR CANAL CAP-PART & MONTORNG WELL CAP-PART & MONTORNG WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK	REL		NEER DISTRICT ENGINEERS 1. GEORGIA		
WELLS TO BE ABANDONED	0 100 200	SITE MAP		#	
Figure B-2. Location Map of the Form	er UST 117 (Bulk Fuel Facility)		-		



MONITORING WELL ABAND	ONMENT LOG	WELL NO MW-14
OWNER/FACILITY OPERATOR [] Fort Stewart [YHunter Army Airfield		ABANDOBNMENT DATE
[] Hinesville, Liberty County, Georgia []	Savannah, Chatham County, Georg	jia
UST 117 BULK FURL	Egeility	
DEPTH TO WATER (FT. BOS); BTOC Z. & Z	DEPTH TO BOTTOM OF WELL	
WELL CONSTRUCTION MATERIAL 34" SCH 40 PUC Slotted Screen	SURFACE COMPLETION TYPE CONCRETE PART FLORING	nanholo
Portland Bentanit P	QUANTITY OF GROUND USED (GALLONS)	
GROUT PLACEMENT METHOD	SURFACE PATCH CONCRETE	
/	SITE MAP	
MN-026 MN-12 MN-136 MN-156 MN-179 MN-179	MW-25-7005 MW-31 MW-24 MW-24 MW-24 MW-34 MW-19 MW-32 MW-34 M	MN-E6 MN-E5 MN-E3 RELEASE *2 (BUILDING 7009) E2
LEGEND CAP-PART A MONTORING WELL CAP-PART B MONTORING WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	To Facility Service Control of the	MY ENGINEER DISTRICT RIPS OF ENGINEERS AVANNAH, GEORGIA 117, BUILDING 7002 119: 9-025113*2 TE MAP CO TILL' 97028/00MS/932C001C0.DGL
Figure B-2. Location Map	of the Former UST 117 (Bulk Fuel Facility)	

		WELL NO
MONITORING WELL ABANDONMENT LOG		MW-17
OWNER/FACILITY OPERATOR [] Fort Stewart [V Hunter Army Airfie	eld	ABANDOBNMENT DATE 2/15/06
LOCATION [] Hinesville, Liberty County, Georgia	[Y Savannah, Chatham County, Ge	eorgia
UST 117 BULK FURL F	Egeility)	
DEPTH TO WATER (FLBGO), 870C /, 33	DEPTH TO BOTTOM OF WELL \$\sigma \frac{15}{2}\$	
WELL CONSTRUCTION MATERIAL 34" SCH 40 DVC Stotled Severn Concret DGC flush manhold		h manholp
Portland Bontonit P	QUANTITY OF GROUND USED (GALLONS)	
GROUTPLACEMENT METHOD YOU FROM TOP	SURFACE PATCH	
/	SITE MAP	
BULK FUEL FACILITY MN-13 LEGEND CAP-PART A MONTORING WELL CAP-PART B MONTORING WELL CAP-PART B MONTORING WELL FORMER ABOVEGROUND STORAGE TANK O ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	ALL STORY OF THE S	
	SCALE: 1" = 200' S.DUNE AP 0/08	
Figure B-2. Location	Map of the Former UST 117 (Bulk Fuel Facility)	

MONITORING WELL ABANDONMENT L	OG WELL NO MW-18
OWNER/FACILITY OPERATOR [] Fort Stewart [// Hunter Army Airfield	ABANDOBNMENT DATE OZ/15/06
[] Hinesville, Liberty County, Georgia [Savannah, Cl	hatham County, Georgia
UST 117 (BULK FUR) FGCI/ity	
DEPTH TO WATER (FT. 800). BTOC Ground Level DEPTH TO BOTTON	MOFWELL 15BLS
WELL CONSTRUCTION MATERIAL 34 4CH 40 PVC 510 HPD 50 PPN CONCRPTE CONCRPTE	
PORTIGN O BRATONITY QUANTITY OF GROW	SUND USED (GALLONS)
GROUT PLACEMENT METHOD SURFACE PATCH LO CO	n tref P
SITE MAP	
MN-02 MN-03 MN-05 MN-05 MN-05 MN-23 MN-23 MN-12 MN-13 MN-12 MN-15 MN-12 MN-15 MN-16 MN-16 MN-16 MN-32 MN-34 MN-34 MN-34 MN-34 MN-34 MN-34 MN-34 MN-34 MN-34	MW-04 MW-04 MW-26 MW-E6 MW-E5 MW-E3 MW-E3 MW-E3 MW-E3 RELEASE *2 (BUILDING 7009) MW-E2 MW-24 MW-65 MW-60 MW
LEGEND CAP-PART A MONITORING WELL CAP-PART B MONITORING WELL SOME ABOVEGROUND STORAGE TANK MELLS TO BE ABANDONED LEGEND ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH, GEORGIA FORMER UST 117, BUILDING 7002 FACILITY ID: 9-025113*2 SITE MAP
SCALE: 1" = 200'	MAP
Figure B-2. Location Map of the Former UST 117 (Bulk F	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

MONITORING WELL A	BANDONMENT LOG	WELL NO MW - ZO
OWNER/FACILITY OPERATOR [] Fort Stewart [Hunter Army A	Airfield	ABANDOBNMENT DATE
LOCATION [] Hinesville, Liberty County, Georgia	[17 Savannah, Chatham County	, Georgia
SITE UST 117 (BULK FUR)	Eglility)	
EPTH TO WATER (FT-BOO).	бертн то воттом оf well 2 /5 /	365
VELL CONSTRUCTION MATERIAL 4 SCH 40 DVC SOFFE Seve	SURFACE COMPLETION TYPE	
Partial Bentonite	QUANTITY OF GROUND USED (GALLONS	
PONT FROM TOP	SURFACE PATCH CONCEPTE	
7000	SITE MAP	
	MW-03 MW-05 MW-25	WF-E6
MN-02-	MN-08 d NN-06 d NN-28 NN-28 NN-37	MW-E5 MW-E4 MW-E3 RELEASE *2 (BUILDING 7009)
MM-01-0 MM-11 MM-11	MH-23-005) WH-23-005) WH-23-005 WH-23-005	- MM-E2
MN-13 (7001)	(7003) MM-21R MM-32 MM-33	
BULK FUEL MN-16	RELEASE *1 (B NFAR ON 10-0	UILDING 7002/7003)
LAMAR CANA		S. ARMY ENGINEER DISTRICT
LEGEND	TO THE DESCRIPTION OF THE PARTY	CORPS OF ENGINEERS SAVANNAH, GEORGIA ST 117, BUILDING 7002
ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	0 100 200	TTY ID: 9-025113*2 SITE MAP SITE MAP 100 97028/DGNS/832C001CD.DGN
Figure B-2. Location	Map of the Former UST 417 (Bulk Fuel Facility)	

MONITORING WELL ABANDONMENT LOG		MW-Z/F	
OWNER/FACILITY OPERATOR [] Fort Stewart [/ Hunter Army Airfield	P	ABANDOBNMENT DATE 2/15/06	
LOCATION [] Hinesville, Liberty County, Georgia []	LOCATION [] Hinesville, Liberty County, Georgia [] Savannah, Chatham County, Georgia		
VST 117 / BUIK FUD FGCI	VST 117 (Bulk Fool Facility)		
DEPTH TO WATER (ET-BOS): BTOC 2-38	DEPTH TO BOTTOM OF WELL St. 15 RL -	5	
WELL CONSTRUCTION MATERIAL 34" SCH 40 pre Slotted Screen		4 Manhole	
PONTIGNE BENTONIFE	QUANTITY OF GROUND USED (GALLONS)		
POW From TOP	SURFACE PATCH CONCrete		
	ITE MAP		
MN-02 MN-13 MN-13 MN-13 MN-15 MN-13 MN-15	MN-05 MN-05 MN-05 MN-05 MN-05 MN-05 MN-26 MN-23 MN-23 MN-23 MN-23 MN-23 MN-23 MN-24 MN-34 MN-36 MN-37 MN-37 MN-38 MN-19 MN-36 MN-28 MN-28 MN-29 MN-19 MN-36 MN-28 MN-28 MN-28 MN-28 MN-19 MN	MW-E5 MW-E4 MW-E4 MW-E2 RELEASE *2 (BUILDING 7009) MW-E2	
LEGEND CAP-PART A MONTORING WELL CAP-PART B MONTORING WELL CAP-PART B MONTORING WELL CAP-PART B MONTORING WELL ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	FORMER UST FACILITY		
Figure B-2. Location Map of the Former UST 117 (Bulk Fuel Facility)			

MONITORING WELL ABANDONMENT LOG		MW-ZZ
OWNER/FACILITY OPERATOR [] Fort Stewart [] Hunter Army Airfield	- h	ABANDOBNMENT DATE
LOCATION [] Hinesville, Liberty County, Georgia [ダ	Savannah, Chatham County, Geo	rgia
UST 117 (BULK FUEL FG C)	(ity)	
DEPTH TO WATER (FT.889): BToC /, 4 Z	DEPTH TO BOTTOM OF WELL	
WELL CONSTRUCTION MATERIAL 34 SCH 40 PVC Slotted Screen	SURFACE COMPLETION TYPE LON EVEL PGO	Flush Manhole
GROUT MIXTURE QUANTITY OF GROUND USED (GALLONS)		
POUR From TOP	SURFACE PATCH CONCRETE	
	ITE MAP	
MM-014 MM-15 MM-15 MM-15 MM-17 MM-18 MM-18		MW-E6 MW-E3 RELEASE *2 (BUILDING 7009) -E2 DING 7002/7003)
LEGEND CAP-PART A MONTORING WELL CAP-PART B MONTORING WELL FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	TO THE UST THE	ORPS OF ENGINEERS SAVANNAH, GEORGIA 117, BUILDING 7002 ID: 9-025113*2 TE MAP
Figure B-2. Location Map of the Former UST 417 (Bulk Fuel Facility)		

MONITORING WELL ABAND	DONMENT LOG	WELL NO
OWNER/FACILITY OPERATOR [] Fort Stewart [// Hunter Army Airfield		ABANDOBNMENT DATE 02/15/06
LOCATION [] Hinesville, Liberty County, Georgia [v	Savannah, Chatham County, Ge	eorgia
UST 117 (Bulk Fuel FGCi	-1.7)	
DEPTH TO WATER (FT. BOO): 870C Z. ZZ	DEPTH TO BOTTOM OF WELL 3 15 130	25
WELL CONSTRUCTION MATERIAL 3/4 SCH 40 PVC 5/0HPD SCreen	CONCRETE PACE	losh manholp
The same same same same same same same sam	QUANTITY OF CROUND USED (GALLONS)	
GROUT PLACEMENT METHOD PONT From TOP	SURFACE PATCH Concrete	1
/	SITE MAP	
MN-13 MN-14 MN-15 MN-15 MN-15 MN-15 MN-17 MN-18	1003 MW-31 MW-31 MW-31 MW-31 MW-31 MW-32 MW-33 MW-32 MW-32 MW-33 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-32 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-34 MW-32 MW-32 MW-33 MW-34 M	ST 117, BUILDING 7002 ITY ID: 9-025113*2 SITE MAP
WELLS TO BE ABANDONED Figure B-2. Location Map	SCALE: 1" = 200' S.DUNLAP 0/06-	78HEL GAS FILLS 22-05 97028/DGMS/932C001CD.DGM

MONITORING WELL ABANDONMENT LOG	MW-Z8
OWNER/FACILITY OPERATOR [] Fort Stewart [] Hunter Army Airfield	ABANDOBNMENT DATE
[] Hinesville, Liberty County, Georgia [Savannah, Chatham Cour	nty, Georgia
UST 117 (BULK Fuel Facility)	-
DEPTH TO WATER (FT 803): BTOC 7.30 DEPTH TO BOTTOM OF WELL	15
WELL CONSTRUCTION MATERIAL SURFACE COMPLETION TYPE 34 SCH 40 DVC 5/0740 SCYPP CONCYPTE JAC	flush manholp
GROUT MIXTURE GROUT	ONS)
POUT From TO SURFACE PATCH Concrete	,
SITE MAP	
MM-03 MM-04 MM-05 MM-06 MM-06 MM-06 MM-07 MM-07 MM-13 MM-17 MM-13 MM-17 MM-13 MM-17 MM-14 MM-17 MM-14 MM-17 MM-14 MM-17 MM-14 MM-17	MN-E1 MN-E6 MN-E1 MN-E5 MN-E3 MN-E3 MN-E2 MN-E2 MN-E2
	3 -1 (BUILDING 7002/7003) N 10-06-03
FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	SAVANNAH, GEORGIA Lamana MER UST 117, BUILDING 7002 FACILITY ID: 9-025113-2 SITE MAP
Figure B-2. Location Map of the Former UST 417 (Bulk Fuel Facility)	

MONITORING WELL ABANDONMENT LOG		WELL NO MW-29
OWNER/FACILITY OPERATOR [] Fort Stewart [/ Hunter Army Airfield	d	ABANDOBNMENT DATE 02/15/06
LOCATION [] Hinesville, Liberty County, Georgia	[Y Savannah, Chatham Cour	nty, Georgia
UST 117 (BUK FUD) FGC	ility)	
DEPTH TO WATER (FT -BOS). 870C 1.45	DEPTH TO BOTTOM OF WELL	5
WELL CONSTRUCTION MATERIAL 34 SCH 40 DVC Slotted Screen	SURFACE COMPLETION TYPE CONCYPEP DEC	flush manholp
Portland Bentonite	QUANTITY OF GROUND USED (GALLO	
POUR From TO P	SURFACE PATCH CONCroff	,
/	SITE MAP	
MM-02-03- MM-13-05- MM-13-	WH-06 WH-28 WH-28 WH-30 WH-31 WH-21 WH-32 WH-33 WH-33	26 MW-E6 MW-E6 MW-E1 MW-E5 MW-E4 PM-E3 PM-E3 PM-E3 PM-E2 PM-E3 PM-
LEGEND CAP-PART A MONTORING WELL CAP-PART B MONTORING WELL FORMER ABOVECROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED	FORM F	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH, GEORGIA ACTUAL CORPS OF ENGINEERS SAVANNAH, GEORGIA ACTUAL CORPS OF ENGINEERS SAVANNAH, GEORGIA ACTUAL CORPS OF ENGINEERS STE MAP ET. MC. ASHT GEORGIA O'00-22-05 97028/0045/83200010.0.00M
Figure B-2. Location Map of the Former UST 117 (Bulk Fuel Facility)		

WELL NO MONITORING WELL ABANDONMENT LOG mw32 OWNER FACILITY OPERATOR ABANDOBNMENT DATE Fort Stewart [V] Hunter Army Airfield 2/15/06 Hinesville, Liberty County, Georgia X Savannah, Chatham County, Georgia Airtield DEPTH TO BOTTOM OF WELL BTOC A 15.0 693 SURFACE COMPLETION TYPE WELL CONSTRUCTION MATERIAL concrete Flushmount Sch 40 **GROUT MIXTURE** cement GROUT PLACEMENT METHOD SURFACE PATCH Concrete Gavity SITE MAP RELEASE *2 (BUILDING 7009) RELEASE *1 (BUILDING 7002/7003) NFAR ON 10-06-03 BULK FUEL-U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH, GEORGIA CAP-PART A MONTORING WELL CAP-PART B MONITORING WELL FORMER UST 117, BUILDING 7002 FACILITY ID: 9-025113+2 SITE MAP FORMER ABOVEGROUND STORAGE TANK ABOVEGROUND STORAGE TANK WELLS TO BE ABANDONED DUNL AP 0/08-22-05 97028/DGNS/B32C001CD.DGN Figure B-2. Location Map of the Former UST 117 (Bulk Fuel Facility)

APPENDIX B PHOTOGRAPHS OF ABANDONED WELL LOCATIONS



Bulk Fuel Facility (UST 117): Well Abandonment – MW-01



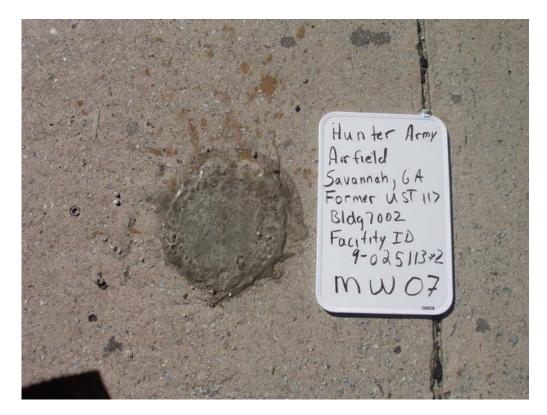
Bulk Fuel Facility (UST 117): Well Abandonment – MW-02



Bulk Fuel Facility (UST 117): Well Abandonment – MW-03



Bulk Fuel Facility (UST 117): Well Abandonment – MW-06



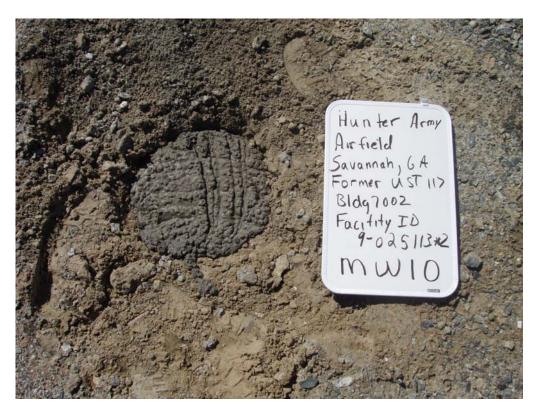
Bulk Fuel Facility (UST 117): Well Abandonment – MW-07



Bulk Fuel Facility (UST 117): Well Abandonment – MW-08



Bulk Fuel Facility (UST 117): Well Abandonment - MW-09



Bulk Fuel Facility (UST 117): Well Abandonment – MW-10



Bulk Fuel Facility (UST 117): Well Abandonment – MW-11



Bulk Fuel Facility (UST 117): Well Abandonment – MW-12



Bulk Fuel Facility (UST 117): Well Abandonment – MW-13



Bulk Fuel Facility (UST 117): Well Abandonment – MW-14



Bulk Fuel Facility (UST 117): Well Abandonment – MW-17



Bulk Fuel Facility (UST 117): Well Abandonment – MW-18



Bulk Fuel Facility (UST 117): Well Abandonment – MW-20



Bulk Fuel Facility (UST 117): Well Abandonment – MW-21R



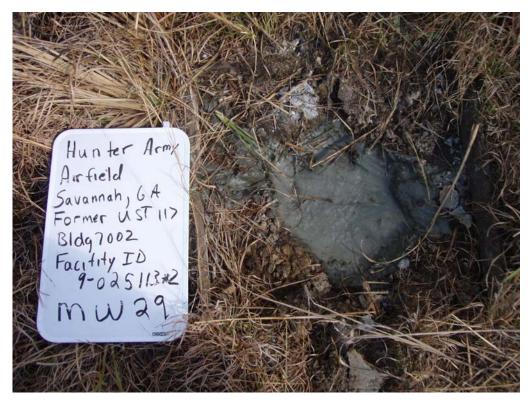
Bulk Fuel Facility (UST 117): Well Abandonment – MW-22



Bulk Fuel Facility (UST 117): Well Abandonment – MW-23



Bulk Fuel Facility (UST 117): Well Abandonment – MW-28



Bulk Fuel Facility (UST 117): Well Abandonment – MW-29



Bulk Fuel Facility (UST 117): Well Abandonment – MW-30



Bulk Fuel Facility (UST 117): Well Abandonment – MW-31



Bulk Fuel Facility (UST 117): Well Abandonment – MW-32