

Attachment 2

Summary of Solid Waste Management Unit  
and Area of Concern Status Table

Unit No.	Description	Estimated Amount Spent (in \$1,000)	Mapping	Soil-gas	Geophysics		Surface Sampling	Subsurface Investigation	Additional Investigation	Treatability Study	Remediation (Contaminants)	Remediation (UXO/Scrap metal)	Investigation Report(s)	Recommendations	Closure Recommended		Closure Approved by Regulators
					EM	GPR									RRS1	TRRP	
B-1	Powder and ammo burn area (1954).	\$130	Feb-95	--	Feb-95	Feb-95	--	Feb-95 (SB1-3); June-95 (SB1RW); Aug-Sep-96 (SB4-6); Mar-Apr-00 (SB4-6RW)	Feb-95 (Groundwater sample, SB3)	--	--	--	RFI/Closure Report	RRS1 Closure	X		November-02
B-2	Small arms ammunition burning area (1954)	\$108	May-95	Jun-95	Feb-95	Mar-95	--	Mar-95 (SB1-5); Jun-95 (SB5RW)	Mar-95 (SB3.5) Jan-04 (BOT01-05, SW01-16) May-04 (SW17-SW23, BOT06-08)	--	In-Progress	Sept 97 Sept 03	RFI Report closure report in progress	RRS1 Closure	X		
B-3	Landfill area (garbage disposal and burning trash); filled in 1990-91.	\$41	May-95	Jun-95, Nov-Dec-95	Feb-95	Feb-95	--	Mar-95 (SB1-7); Dec 95-Feb-96 (VEWs, VMPs); Apr-00 (RW-VEW7-18)	Mar-95 (Groundwater sample, SB1)	Mar-96 Installed SVE system. System has since been removed.	--	--	Draft Nov-01	Removal of contaminated soil			
B-4	Classified burn area (documents and trash).	\$171	Feb-95	Jun-Jul-95, Nov-Dec-95	Feb-95	Feb-95	--	Mar-95 (SB1-5); Apr-00 (SB6-17)	Mar-95 (Groundwater sample, SB5)	--	--	--	RFI Report	Removal of waste in trench and confirmation sampling			
B-5	Possible fired small arms ammo brass area. Not located.	\$15	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		October-02
B-6	Possible solid waste disposal area.	\$15	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		October-02
B-7	Possible fired small arms ammunition brass disposal area	\$24	Aug-95	--	May-95	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	--	--	--	--	Mar-97 Aug 97 Sept 03	RFI/Closure Report	RRS1 Closure	X		October-02
B-8	Fired small arms ammo brass disposal area (piles of fire bricks, ammo shells)	\$35	Aug-95	--	Feb 95 Apr 03	--	Apr-00 (Silt1-3) Mar-03 (SS01-SS30)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	--	--	--	--	RFI Report	Remediation of stockpiled and in-situ soils			
B-9	Miscellaneous solid waste (metal and weapons) disposal area.	\$113	Feb-96	--	Nov-99	Nov-99	--	Mar-00 (SB1-3)	--	--	--	--	RFI/Closure Report	Recommended RRS1 closure	X		March-03
B-10	Ammunition disposal area.	\$68	Jul-95	Jul-95; Aug-96	Mar-Apr-96	--	--	--	--	--	Aug-97	Aug-97	RFI/Closure Report	Recommended RRS1 closure	X		January-04
B-11	Miscellaneous solid waste disposal (ammo, scrap metal, const. debris).	\$57	Aug-95	Jul-95 (see AOC 38)	Apr-95	--	--	Feb-00 (SB1-5)	Nov-03 (BOT01-05, SW01) Feb-04 (SW02-08)	--	Dec-03	Dec-03	RFI Report/Closure Report Final June 04	RRS1 Closure	X		September-04
B-12	Landfill, WPA trash when igloos were being built	\$44	May-95	--	May-95	--	--	Aug-Sep-96 (SB1-4); Mar-00 (SB1-4RW)	Feb-04 (SW01-06, BOT01-02) May-04 (SW07-09, BOT03)	--	In-Progress	In Progress	RFI Report closure report in progress	RRS1 Closure	X		
B-13	Trash dump area.	\$44	Mar-96	--	Mar-Apr-96	--	--	Aug-96 (SB1-4); May-97 (SB1-2); Mar-00 (SB1-4-RW)	--	--	--	--	RFI Report	Excavation of waste and verification surface sampling.			
B-14	Possible fired brass area - not located.	\$6	--	--	--	--	--	--	--	--	--	--	Letter requesting that this site be delisted was sent to TNRCC.	Delisting Report			
B-15/16	Landfill (target vehicles, weapons mounts)	\$78	Mar-95	Aug-96	Mar-95, Aug-99	Mar-95, Aug-99	Mar-00 (SB1-9)	Mar-00 (SB1-9)	--	--	--	--	RFI Report	Removal of buried metal debris and confirmation sampling			
B-19	Solid waste disposal area (metals and weapons).	\$133	Feb-95	--	Feb-95	Feb-95	--	Feb-95 (SB1-3); Jun-95 (SB1-3RW); Aug-Sep-96 (SB4-6), Mar-00 (SB4-6RW)	Feb-95 (Groundwater sample, S3); Jun-95 (Groundwater samples SB1-3RW)	--	--	--	RFI/Closure Report	RRS1 Closure	X		September-02
B-20	Former OB/OD area	\$1,116	Mar-94	--	Dec-94	--	Dec-94 (SS1-43); Sep-95 (SS44-60);	Dec-94 (SB1-10); Sep-95 (SB11-13); Mar-00 (SB1-8RW)	--	Underway	Jul-99; Aug-01 (PIMS)	Dec-95; Sep-95; Jan-May-97	RFI Report	Remediation of stockpiled and in-situ soils			
B-21	Ammunition disposal areas	\$6	Mar-94	--	--	--	Dec-94	--	--	--	Jul-99	Jul-99	Combined with B-20	See B-20			
B-22	Burn area (artillery shells).	\$22	Feb-Mar-95	--	Feb-Mar-95	--	Mar-96 (SS1-5); Mar-00 (SS1-5-RW)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		December-02
B-23	Disposal trenches (two green canisters)	\$41	Mar-95	Aug-96	Mar-95	--	--	Mar-00 (SB1-3)	Feb-04 (SW01-04, BOT01, JATO01) May-04 (SW05-07, BOT02)	--	In Progress	--	RFI Report closure report in progress	RRS1 Closure	X		
B-23A	Disposal Trench (glass ampoules of liquid)	\$41	Mar-95	--	Mar-95	--	Dec-03	--	Exc Jan -04 (BOT01, SW01-04)	--	In Progress	--	RFI Report September 2004	RRS1 Closure	X		
B-24	Spent ammo/rockets area	\$376	Mar-95	--	Mar-95	Mar-95	Mar-00 (SB1-5)	Mar-00 (SB1-5)	--	Underway	--	Mar-Sept-97	RFI Report	Remediation of stockpiled and in-situ soils			
B-25	Possible disposal trench	\$38	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW) Dec-03 BOT01, SW01-03	Sep-96 (SB1-3); Mar-00 (SB1-3RW)	Dec-03 (BOT01, EM01-02, SW01-04) Feb-04 (WM03, BOT01, SW05-06)	--	In-Progress	--	RFI Report	Further excavation needed			
B-26	Possible disposal trench	\$41	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	Sep-96 (SB1-3); Mar-00 (SB1-3RW)	Exc Nov 03 EM01-02	--	In-Progress	--	RFI Report August 2004	Delisting Report			
B-27	Sanitary landfill, consisting of 5-6 trenches (6 ft deep, 3 ft wide).	\$38	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	--	--	--	--	RFI Report	Removal of waste and confirmation sampling			
B-28	Disposal trenches (molten metal, ammo, ammo parts)	\$193	Feb-95	Jun-95	Feb-95	Feb-95	Feb-95 (SB1-6)	Feb-95 (SB1-6)	Feb-97	Underway	--	Jun-97	RFI Report	Remediation of stockpile soils			
B-29	Solid waste disposal area (in old quarry)	\$64	Mar-96	--	Mar-96	--	Mar-96 (SS1-4); Mar-00 (SS1-4RW)	Aug-96 (SB1-6); Mar-00 (SB1-RW)	Mar-04 (SW01-06, 07-11) Jun-04 (BOT01-07, SW12-15) Jan-04 (SW01-04, BOT01-02) May-04 (SW05-08)	--	In-Progress	--	RFI Report	Removal of waste on ground surface and limestone embankment walls, followed by verification sampling			
B-30	Solid waste disposal area	\$38	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	--	--	In-Progress	--	RFI Report September 2004	RRS1 Closure	X		
B-31	Lead shot/sand pipe bedding	\$57	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SB1-3)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	Jul-97	--	--	--	RFI/Closure Report	RRS1 Closure	X		November-02
B-32	Lead shot/sand pipe bedding	\$65	Jul-95	Jul-95	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		November-03
B-33	Lead shot/sand pipe bedding	\$65	Mar-96	--	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW)	May-97 (SB1-3); Mar-00 (SB1-3RW)	Mar-04 (SW01-04, BOT01)	--	July 97 and In Progress	--	RFI Report September 2004	RRS1 Closure	X		
B-34	Maintenance pit floor drain and discharge point	\$38	Jul-95	Jul-95	Mar-96	--	Mar-96 (SS1-3); Mar-00 (SS1-3RW) Feb-04 (SS15-19)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	--	--	--	--	RFI Report	Additional sampling to determine extent of contamination, followed by remediation/disposal of contaminated soil		X	
B-71	Livestock area. Inner cantonment, SW of Well 16.	\$0	Mar-95	--	--	--	--	--	--	--	--	--	--	--	(Not available)		
Bldg 40	less-than 90-day accumulation container storage area						Sep-02		Jun-02, Jun-03				RFI/Closure Report	RRS1 Closure	X		January-04
Bldg 43	Inactive makeshift ammo demolition facility	\$61	Jul-95	Jul-95	Mar-Apr-96	Mar-Apr-96	--	Feb-Mar-00 (SB1-6)	Jul-04 (SW01-05, BOT01)	--	in progress	--	RFI Report closure report in progress	RRS1 Closure	X		
DD	Dud ammunition disposal area	\$131		--	--	--	Mar-00 (SB1-3)	Mar-00 (SB1-3)	Dec-03 (BOT01-03, SW01-11) Mar-04 (SW12-SW19, BOT04-05) May-04 (SW20-SW25)	Underway	--	Feb-May-97	RFI Report	Remediation of stockpiled and in-situ soils			
F-14	Hazardous waste storage area (<90-day)	\$72	--	--	--	--	Apr-94 (SS1-7)	Sep-92 (SB1-10)	--	--	Jun-94, Feb-95 Disposed of IDW under TNRCC guidance	--	RFI/Closure Report, 1995	Site closure approved.	X		November-95
I-1	Inactive incinerator (built in 1943), currently used for transformer storage	\$61	Mar-96	Aug-96	Mar-96	--	Apr-00 (SS103)	Mar-00 (SB1-3)	--	--	--	--	RFI Report	(Additional work)			
O-1	Waste liquid/sludge oxidation pond (1975)	\$560	Feb-95	Jun-95; Aug-96	Feb-95	--	Nov-95 (SS1)	Mar-95 (SB1-4); Nov-99 (SB5-24); Apr-00 (SB25-29)	Mar-95 (3 surface samples)	--	--	--	RFI/Closure Report	Site closure approved.	X		April-02
Coal Bins	Coal bins (no longer in use)	\$6	--	--	--	--	--	--	--	--	--	--	Letter requesting that this site be delisted was sent to TNRCC.	--			
AOC 35	Area immediately around Well 16. Northeast area of inner cantonment.	\$33	Jun-Jul-95	Jun-Jul-95	Feb-95; Dec-99	Feb-95; Dec-99	Apr-00 (SS1-5)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		February-03
AOC 36	Area between Well 16 and B-3. Possible buried mustard gas canisters location verified as not present by magnetometer survey (1997). Southeast of Well 16.	\$19	Mar-95	Jul-95	Mar-95	Mar-95	Jan-00 (SS1-10)	--	Feb-97	--	--	--	RFI/Closure Report	RRS1 Closure	X		August-02
AOC 37	Livestock area. NW of Well 16 and N of Well D.	\$17	May-95	Dec-99	May-95	May-95	--	--	--	--	--	--	Final RFI/Closure Report June 04	--	X		
AOC 38	Livestock area. Inner cantonment, SW of Well 16.	\$50	Mar-95	Jul,Nov-95	Mar-95	--	Jan-00 (SS1-60)	--	Excavated anomalies	--	In-Progress	--	RFI Report September 2004	RRS1 Closure	X		
AOC 39	None. Area west of Well 16 between North Outer Rd and cantonment fence.	\$18	Mar-95	Jul-95	Mar-95	--	Jan-00 (SS1-60)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		September-02
AOC 40	None. Area east of Well 16 between North Outer Rd and cantonment fence.	\$18	Mar-95	Jul-95	Mar-95	--	Jan-00 (SS1-5)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		August-02
AOC 41	Gate area east of well 16. North Pasture, north of gate 6.	\$27	May-95	Jun-Jul-95; Dec-99	May-95	--	--	--	--	--	--	--	Closure report in progress	RRS1 Closure	X		
AOC 42	None. South of SWMUs B-28 and B-19, west of B-4.	\$33	May-95	Jun-Jul-95	May-95	--	Mar-01(SS1-9)	Mar-01(1-9)	--	--	--	--	RFI Report	--			
AOC 43	Shallow trench without mounds. Metal, UXO. Located 50 ft south of B-7.	\$33	Dec-99	--	Dec-99	--	Mar-01(SS1-3)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		February-03
AOC 44	Fox holes and trenches. UXO includes Stokes mortars and 20-lb bombs. Located south of B-9 along west slope of hill.	\$0	--	--	--	--	--	--	--	--	--	--	--	--			

Attachment 2

Summary of Solid Waste Management Unit  
and Area of Concern Status Table

Unit No.	Description	Estimated Amount Spent (in \$1,000)	Mapping	Soil-gas	Geophysics		Surface Sampling	Subsurface Investigation	Additional Investigation	Treatability Study	Remediation (Contaminants)	Remediation (UXO/Scrap metal)	Investigation Report(s)	Recommendations	Closure Recommended		Closure Approved by Regulators
					EM	GPR									RRS1	TRRP	
AO 45	Flat area with spent and undamaged bullets. Located east of B-31, near bend in road.	\$0	--	--	--	--	--	--	--	--	--	--	--	--			
AO 46	Bermed area with stockpile of lead shot and sand. Located south of Engineering on east side of Thompkins Road.	\$0	--	--	--	--	--	--	--	--	--	--	--	--			
AO 47	Area of trenches and mounds (similar to B-15/16). South of B-15/16, in SW area of East Pasture.	\$73	Aug-99	Aug-96 (see B-15/16)	Aug-99	Aug-99	Jun-00 (SS1-3)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		September-02
AO 48	Three N-S trending mounds and a construction debris pile. Located north of B-15/16.	\$73	--	Aug-96 (see B-15/16)	Jul-Aug-99	Jul-Aug-99	Jun-00 (SS1-3)	--	--	--	--	--	RFI Report Delisting Report August 2004	RRS1 Closure	X		
AO 49	Trench (4 x 7 ft) without surficial debris. Located SW of deer stand 41 in central East Pasture.	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 50	Area with orange discolored material (most likely nickel penetrate) at ground surface. South of B-30 along gravel road.	\$63	--	--	--	--	--	--	Jan-04 (SW01-06, BOT01-03) Feb-04 (BOT04, SW07-08) Mar-04 (BOT05-06) Apr-04 (SW09-13, BOT07)	--	In-Progress	--	RFI Report closure report in progress	RRS1 Closure	X		
AO 51	East pasture, east of active range, approximately 25 acres, area around B-9	--	--	--	--	--	--	--	--	--	--	Feb-97 (UXO clearance)	--	--			
AO 52	Area west of B-4 towards Salado Creek near trees, two trenches	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 53	Building foundation near B-27 at Central Road and road to "D" Tank, batteries at rear of slab	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 54	Area near gutting pit, east of Welding Shop Building, right side of road batteries were stored in the area	--	--	--	--	--	--	--	Dec-03 (BOT01, SW01-04) Mar-04 (SW05, BOT02)	--	--	--	RFI Report September 2004	--			
AO 55	Landfill, south of Tenberg Drive, east of Salado Creek	--	--	Jan-Feb-01	Oct-02	--	Oct-02 (SW1-5, SE1) Feb-03 (SW6-25) Nov-Dec-03 (CL01-14)	--	Oct-02 Feb-03 Nov-03 (CL01-12)	--	--	Feb-03 -	RFI/Closure Report Final Feb 04 Closure Report June 04	Closure	X		
AO 56	Landfill, at intersection of Bernard Road and East Outer Road, surface depression on south side of intersection	\$73	Aug-99	--	Aug-99	Aug-99	Jan-00 (SS1-3)	--	Feb-04 (SW01-06, BOT01-02)	--	--	--	--	RRS1 Closure	X		September-04
AO 57	East of Building 98 and KOA Area, cleaning/maintenance activities performed at temporary structures	--	--	Jan-Feb-01	--	--	--	--	--	--	--	--	--	--			
AO 58	Suspected disposal trench within Inner Cantonment	\$73	Aug-99	--	Aug-99	Aug-99	Jan-00 (SS1-3)	--	--	--	--	--	RFI Report	Investigate anomaly			
AO 59	Trench-type anomaly located west Test Pad in the East Pasture	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 60	Trench located west of tunnel and entrance roadway in the East Pasture.	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 61	Suspected landfill	\$73	Aug-99	--	Aug-99	Aug-99	Jan-00 (SS1-3)	--	--	--	--	--	RFI/Closure Report	RRS1 Closure	X		February-03
AO 62	Located west of monitoring well MW-2 and east of Salado Creek.	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 63	Area consisting of 3 barrels containing rocks, south of deer stand 41 in the East Pasture.	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 64	Area east of SWMU B-4; flares observed in the area	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 65	A concrete pit area that housed a metal vat that contained TCE and PCE.	\$201	Mar-00	Jan-Feb-01	--	--	--	Mar-00 (SB1); Mar-Apr-01 (SB2-13, MW1-4)	--	--	--	--	RFI Report Closure Report June 04	(further characterization of COC plumes)			
AO 66	Area north of Well 16 in the outer cantonment.	\$44	Dec-99	Dec-99	--	--	--	--	--	--	--	--	--	RRS1 Closure	X		
AO 67	Concrete pad near Building 90 housed a vat containing cleaning solvents.	\$110	Apr-01	Jan-Feb-01	--	--	--	Apr-01 (SB1-3)	Mar-04 (SW01-04, BOT01) Apr-04 (SW05-07) May-04	--	In-Progress	In-Progress	RFI Report	--			
AO 68	Area includes metal slag/debris storage area from Wheelabrator operations next to Building 90-2.	--	--	--	--	--	--	--	--	--	--	--	--	--			
AO 69	Located on west side of CSSA.	--	--	--	--	--	--	--	--	--	--	--	--	--			(Not available)
AO 70	Building used to mix pesticides. Near Building 1.	--	--	--	--	--	--	--	--	--	--	--	--	--			(Not available)
AO 72	Area containing concrete, possible asbestos. Located east of Building 94, in SW CSSA.	--	--	--	--	--	--	--	--	--	--	--	--	--			(Not available)
AO 73	Ranch landfill with overgrown trenches. Near Well 11, in northwest corner of CSSA.	--	--	--	--	--	--	--	--	--	--	Trash removed by CSSA personnel: barbed wire, rusted razor blades, broken glass.	--	--			(Not available)