

Attachment 2

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

Unit No.	Description	Estimated Amount Spent (in \$,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	Feb-05	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	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 (Sift1-3) Mar-03 (SS01-SS30)	Aug-96 (SB1-3); Mar-00 (SB1-3RW)	--	--	--	Aug 97 Sept 03	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 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	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	--	--	--	--	--	--	--	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		March-05
B-24	Spent ammo/rockets area	\$376	Mar-95	--	Mar-95	Mar-95	Mar-00 (SB1-5)	Mar-00 (SB1-5)	Dec-03 (BOT01, EMO1-02, SW01-04) Feb-04 (WM03, BOT01, SW05-06)	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)	Exc Nov 03 EMO1-02	--	In-Progress	--	RFI Report/Delisting Report August 2004	Delisting Report			November-04
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)	--	--	--	--	RFI Report	Removal of waste and confirmation sampling			
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	Remediation of stockpile soils			
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	Removal of waste on ground surface and limestone embankment walls, followed by verification sampling			
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)	--	In-Progress	--	RFI Report	RRS1 Closure	X		
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)	May-04 (SW05-08)	--	In-Progress	--	RFI Report September 2004	RRS1 Closure	X		February-05
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		November-04
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) Dec-03 (BOT01-03, SW01-11) Mar-04 (SW12-SW19, BOT04-05) May-04 (SW20-SW25)	--	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)		Underway	--	Feb-May-97	RFI Report	RRS1 Closure	X		
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 Closure Report June 04	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	--	--	--	--	--	--	RFI Report September 2004	RRS1 Closure (received NFA status)	X		January-05
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/Closure Report	RRS1 Closure	X		February-05
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(11-9)	--	--	--	--	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	--	--	--	--	--	--	--	--	--	--	Closure Report In Progress	RRS1 Closure	X		
AOC 45	Flat area with spent and undamaged bullets. Located east of B-31, near bend in road.	\$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 46	Bermed area with stockpile of lead shot and sand. Located south of Engineering on east side of Thompkins Road.	\$0	--	--	--	--	Feb-05	--	--	--	--	--	Closure Report In Progress	--	X		
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	Delisting Report	X		November-04
AO 49	Trench (4 x 7 ft) without surficial debris. Located SW of deer stand 41 in central East Pasture.	--	--	--	--	--	--	--	--	--	--	--	Closure Report In Progress	RRS1 Closure	X		
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	--	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	--	--	--	--	--	Feb-05	--	--	--	--	--	Closure Report In Progress	--			
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)	--	--	--	Closure Report July 2004	--	X		November-04
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	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)	--	--	--	Closure Report June 04	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.	--	--	--	--	--	--	--	--	--	--	--	Closure Report In Progress	RRS1 Closure			
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	(further characterization of COC plumes)			
AO 66	Area north of Well 16 in the outer cantonment.	\$44	Dec-99	Dec-99	--	--	--	--	--	--	--	--	Closure Report June 04	RRS1 Closure (received NFA status)	X		February-05
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)		