
Final
Environmental Baseline Survey
Fort McClellan, Alabama

Prepared for:
U.S. Army Environmental Center
Aberdeen Proving Ground, MD 21010-5401

Prepared by:
Environmental Science & Engineering, Inc.
Gainesville, Florida

January 1998

ESE Project No. 3195197G

Table of Contents

Section	Volume I	Page
ES.1 Executive Summary		ES-1
1.0 Introduction		1-1
1.1 Authority for the Environmental Baseline Survey		1-2
1.2 Objectives.....		1-2
1.3 Organization of the Environmental Baseline Survey		1-2
2.0 Survey Methodology		2-1
2.1 Fort McClellan and Army Environmental Documents Review		2-1
2.2 Regulatory Records Review		2-3
2.3 Interviews.....		2-5
2.4 Visual Site Inspections		2-5
2.5 Title Documents		2-6
3.0 Property Characterization		3-1
3.1 General Property Information.....		3-1
3.1.1 Description of Facility		3-1
3.1.2 Property History		3-2
3.1.3 Installation Organization.....		3-6
3.1.3.1 U.S. Army Chemical School		3-6
3.1.3.2 U.S. Army Military Police School		3-7
3.1.3.3 Training Center Command.....		3-8
3.1.3.4 Training Brigade		3-6
3.1.3.5 Directorate of Civilian Personnel		3-6
3.1.3.6 Direct of Contracting.....		3-7
3.1.3.7 Directorate of Personnel and Community Activities.....		3-7
3.1.3.8 Directorate of Resource Management.....		3-7
3.1.3.9 Directorate of Reserve Component Support.....		3-7
3.1.3.10 Provost Marshal Office.....		3-7
3.1.3.11 Office of the Staff Judge Advocate		3-7
3.1.3.12 Safety Office		3-8
3.1.3.13 Equal Opportunity Office		3-8

3.1.3.14	Equal Employment Opportunity Office.....	3-8
3.1.3.15	Office of the Inspector General	3-8
3.1.3.16	Internal Review and Audit Compliance.....	3-8
3.1.3.17	Public Affairs Office.....	3-8
3.1.3.18	Directorate of Engineering and Housing	3-8
3.1.3.19	Directorate of Environment.....	3-9
3.1.3.20	Directorate of Information Management	3-9
3.1.3.21	Directorate of Logistics	3-9
3.1.3.22	Directorate of Plans, Training, Mobilization, and Security and Reserve Component Support.....	3-9
3.1.4	Tenant Activities	3-9
3.1.4.1	U.S. Army Medical Department Activity	3-9
3.1.4.2	U.S. Army Dental Activity	3-9
3.1.4.3	Department of Defense Polygraph Institute	3-10
3.1.4.4	Defense Financing and Accounting Services.....	3-10
3.1.4.5	Defense Investigative Service.....	3-10
3.1.4.6	Marine Corps Administrative Detachment	3-10
3.1.4.7	Criminal Investigation Division	3-10
3.1.4.8	902D Military Intelligence Group.....	3-11
3.1.4.9	Army National Guard	3-11
3.1.4.10	U.S. Army Reserves.....	3-11
3.1.4.11	TRADOC Manpower Activity	3-11
3.1.4.12	142D Explosive Ordnance Detachment.....	3-11
3.1.4.13	Army Air Force Exchange Service.....	3-11
3.1.4.14	Defense Commissary Agency	3-12
3.1.4.15	Defense Reutilization and Marketing Office.....	3-12
3.1.4.16	Department of Defense Security Operation Testing Support.....	3-12
3.1.4.17	Fort McClellan Elementary School	3-12
3.1.4.18	Naval Construction Training Center Detachment.....	3-12
3.1.4.19	U.S. Army Corps of Engineers (Mobile District)	3-12
3.1.4.20	U.S. Air Force Disaster Preparedness School	3-13
3.2	Regulatory Status.....	3-13
3.2.1	Resource Conservation and Recovery Act Status	3-13
3.2.2	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 Status.....	3-13

3.2.3	National Pollution Discharge Elimination System Status	3-24
3.2.4	Solid Waste Permits	3-26
3.2.5	Air Permits.....	3-26
3.2.6	Water Supply Permits.....	3-27
3.2.6.1	Community	3-27
3.2.6.2	Non-Community	3-28
3.2.6.3	Other Wells Onpost	3-28
3.2.7	Underground Storage Tanks	3-28
3.2.8	Aboveground Storage Tanks	3-30
3.2.9	Radiological Permits	3-30
4.0	Surrounding Environment and Land Uses	4-1
4.1	Demographics.....	4-1
4.2	Climatology	4-1
4.3	Hydrology	4-2
4.4	Geology and Hydrogeology	4-3
4.5	Sensitive Environments	4-4
4.5.1	Cultural Resources.....	4-4
4.5.2	Natural Resources	4-7
4.5.3	Wildlife.....	4-10
4.5.4	Wetlands.....	4-10
4.5.5	Special Interest Natural Areas and Rare, Threatened, and Endangered Species.....	4-11
4.5.5.1	Special Interest Natural Areas.....	4-11
4.5.5.2	Rare Species.....	4-12
4.5.5.3	Threatened and Endangered Species	4-12
5.0	Environmental Baseline Survey Findings.....	5-1
5.1	Main Post Sites	5-3
5.1.1	Underground Storage Tanks	5-3
5.1.1.1	Tanks Currently Used	5-3
5.1.1.2	Tanks Closed Under Alabama Department of Environmental Management.....	5-3
5.1.1.3	Removed Underground Storage Tanks With No Closure Report	5-14
5.1.1.4	Underground Storage Tanks With Preliminary Investigation Performed	5-14
5.1.1.5	Underground Storage Tanks With Secondary Investigation Performed	5-15

5.1.1.6	Former Gas Stations	5-17
5.1.1.7	Possible Underground Storage Tanks	5-17
5.1.2	Aboveground Storage Tanks [60(6)PS/PR(P), 62(2)HS, 176(2)PS/PR, 177(2)PS/PR]	5-17
5.1.3	Washracks.....	5-18
5.1.3.1	Bldg. 214 [64(7)HS/PS/HR(P)/PR(P)].....	5-19
5.1.3.2	Bldg. 253 [69(7)PS].....	5-20
5.1.3.3	Bldg. 340 [75(7)HS/HR(P)/PS/PR(P)]	5-20
5.1.3.4	Bldg. 351 [170(7)PS]	5-20
5.1.3.5	Bldg. 866 [68(7)PS]	5-20
5.1.3.6	Bldg. 1224 [168(7)PS]	5-20
5.1.3.7	Bldg. 1298 [70(7)PS]	5-21
5.1.3.8	Bldg. 1643 [71(7)PS]	5-21
5.1.3.9	Bldg. 1831 [145(7)PS/PR(P)]	5-21
5.1.3.10	Bldg. 3142 [73(7)PS].....	5-21
5.1.3.11	Bldg. 3146/3147 [72(7)PS].....	5-21
5.1.3.12	Bldg. 3262/3263 [74(7)PS].....	5-21
5.1.3.13	Former Washracks [96(7)HS(P), 127(7)HR(P)/PR(P), 128(7)HR(P)/PR(P), 129(7)HR(P)/PR(P), 152(7)HS/HR(P)].....	5-22
5.1.4	Landfills/Disposal Sites.....	5-23
5.1.4.1	Former Landfill No. 1 [78(6)HS].....	5-23
5.1.4.2	Former Landfill No. 2 [79(6)HS/HR, 125(7)HR(P)]	5-23
5.1.4.3	Former Landfill No. 3 [80(6)HS(HR)]	5-24
5.1.4.4	Former Landfill No. 4 [81(7)HS/HR/PR].....	5-26
5.1.4.5	Active Industrial Landfill [175(5)HS].....	5-26
5.1.4.6	Former Stump Dump [82(7)HR(P)]	5-27
5.1.4.7	Former Post Garbage Dump [126(7)HS(P)HR(P)]	5-27
5.1.5	Boiler Plants [Boiler Plant No. 1: 26(7)PS/PR; Boiler Plant No. 2: 23(7)PS; Boiler Plant No. 3: 14(7)PS; Boiler Plant No. 4: 101(7)PS]	5-27
5.1.5.1	Boiler Plant No. 1 [26(7)PS/PR]	5-28
5.1.5.2	Boiler Plant No. 2 [23(7)PS]	5-28
5.1.5.3	Boiler Plant No. 3 [14(7)PS]	5-28
5.1.5.4	Boiler Plant No. 4 [101(7)PS]	5-28
5.1.6	Motor Pools.....	5-29
5.1.6.1	Bldg. 265 Motor Pool [4(7)PS/PR].....	5-29

5.1.6.2	Bill Nichols National Guard Reserve Center [142(7)PS]	5-29
5.1.6.3	Area 800 Motor Pool [164(7)PS/PR(P)]	5-30
5.1.6.4	Area 1300 Motor Pools [143(7)PS/PR(P), 148(7)PS/PR(P)]	5-30
5.1.6.5	Area 1600 Motor Pool [163(7)PS/PR(P)]	5-31
5.1.6.6	Area 1800 Motor Pool [145(7)PS/PR(P)]	5-31
5.1.6.7	Area 3100 Motor Pool [146(7)PS/PR(P), 147(7)PS/PR(P)]	5-31
5.1.6.8	Area 3200 Motor Pool [29(7)HS/PS]	5-32
5.1.6.9	Former Area 500 Motor Pool [87(7)HS/PS/HR/PR(P)]	5-32
5.1.6.10	Former Area 600 Motor Pool [149(7)PS/PR(P)]	5-32
5.1.6.11	Former Area 1400 and 1500 Motor Pool [94(7)HS/PS/HR(P)/PR(P)]	5-33
5.1.6.12	Former Motor Pools at Areas 1000 [150(7)PS/PR(P)], 1200 [93(7)HS/PS/PR], 1900 [145(7)PS/PR(P)], 2000 [144(7)PS/PR(P)], and 2100 [241(7)PS(P)/PR(P)]	5-33
5.1.7	Pesticide and Herbicide Management Areas	5-33
5.1.7.1	Grounds and Right of Way [161(1)]	5-37
5.1.7.2	Golf Course Pesticide Mixing and Storage Facility [83(7)HS]	5-38
5.1.7.3	Former Golf Course Pesticide Mixing and Storage Facility [141(7)HS/HR(P)]	5-38
5.1.7.4	Golf Course [178(7)HR(P)]	5-39
5.1.8	U.S. Army Chemical School Facilities	5-39
5.1.8.1	Chemical Defense Training Facility [126Q-CWM]	5-41
5.1.8.2	CDTF Incinerator [104(7)HR(P)]	5-44
5.1.8.3	U.S. Army Chemical School Laboratory Sump [90(7)HR(P)]	5-44
5.1.8.4	Former Decontamination Complex [93(7)HS/PS/PR]	5-44
5.1.8.5	Former Chemical Laundries (Impregnation Units) [94(7)HS/PS/HR(P)/PR(P)]	5-46
5.1.8.6	Former Detection and Identification Area [180(7)HR(P)]	5-46
5.1.8.7	Training Area T-4: Former Biological Simulant Test Area [181(7)HR(P)]	5-48
5.1.8.8	Training Area T-5: Former Toxic Hazards Detection and Decontamination Training Area [182(7)HR(P)]	5-49
5.1.8.9	Training Area T-6: Former Agent Decontamination Training Area (a.k.a. Howitzer Hill or Naylor Field) [133(6)HR]	5-50
5.1.8.10	Training Area T-24A: Former Chemical Munitions Disposal Area [187(7)HR(P)]	5-51
5.1.8.11	Training Area T-31: Former Technical Escort Reaction Area	

	[184(7)HR(P), 185(7)HR(P)].....	5-52
5.1.8.12	Training Area T-38: Former Technical Escort Reaction Area (a.k.a. Toxic Gas Yard) [186(6)HR].....	5-53
5.1.8.13	Old Toxic Training Area [188(7)HR(P)].....	5-54
5.1.8.14	Other Reported Chemical Warfare Material Spill/Burial Sites [189(7)HR(P), 190(7)HR(P), 191(7)HR(P), 192(7)HR(P), 193(7)HR(P)]	5-55
5.1.8.15	Gas Mask Test Chambers [195(7)HR(P), 196(7)HR(P)].....	5-56
5.1.8.16	Former Personnel Decontamination Station [179(7)HR].....	5-56
5.1.8.17	Former CS Training Area [198(7)HR(P)]	5-57
5.1.9	Active Ordnance Ranges.....	5-57
5.1.9.1	Skeet Range [69Q]	5-58
5.1.9.2	Range 12: Competitive Pistol Range [70Q]	5-58
5.1.9.3	Range 13: Qualification Pistol Range [71Q]	5-58
5.1.9.4	Range 18: Down Range Feedback (Known Distance) Range [74Q].....	5-58
5.1.9.5	Range 19: Qualification Pistol Range [75Q]	5-59
5.1.9.6	Range 20: Infiltration Course [76Q-X]	5-59
5.1.9.7	Range 21: Field Fire Range [77Q]	5-59
5.1.9.8	Range 22: Zero Range (25m) [78Q].....	5-59
5.1.9.9	Range 23: Trainfire (Record) Range [79Q].....	5-59
5.1.9.10	Range 24 Lower: Combat Indoctrination [81Q]	5-60
5.1.9.11	Range 24A: Multipurpose Range (Smoke, Demolition, Field Flame Expedient) [108(7)PR, 82Q-X, 187(7)HR(P)]	5-60
5.1.9.12	Range 25: Known Distance Range [83Q].....	5-60
5.1.9.13	Range 26: Live Fire and Maneuver Range [84Q-X(P)]	5-61
5.1.9.14	Range 27: Stress Pistol and Shotgun Range [85Q].....	5-61
5.1.9.15	Range 28: Target Detection Range [86Q].....	5-61
5.1.9.16	Range 29: Weapons Demonstration Range [87Q-X].....	5-61
5.1.9.17	Range 32: Hand Grenade Range [90Q-X]	5-62
5.1.9.18	Military Operations in Urban Terrain Site [211Q].....	5-62
5.1.10	Inactive Ordnance Ranges	5-62
5.1.10.1	Range 16: Grenade Launcher Range [72Q-X]	5-64
5.1.10.2	Range 17: Explosives Proficiency Training Area [73Q-X, 91Q-X].....	5-64
5.1.10.3	Range 24 Upper: Defensive Techniques [80Q]	5-64
5.1.10.4	Range 30: Confidence Course [88Q]	5-64

5.1.10.5	Range 31: Weapons Demonstration Range [89Q-X].....	5-65
5.1.10.6	Two Former Tank Ranges [92Q-X, 93Q-X]	5-65
5.1.10.7	Seven Former Rifle/Machine Gun Ranges [98Q, 99Q, 100Q, 101Q, 102Q, 103Q, 104Q]	5-66
5.1.10.8	Former Mortar Firing Point [105Q-X].....	5-66
5.1.10.9	Two Former Grenade Ranges/Areas [106Q-X, 107Q-X]	5-66
5.1.10.10	Former Mortar Range [109Q-X].....	5-66
5.1.10.11	Former Rifle Ranges [110Q, 111Q, 149Q, 150Q, 200Q, 201Q]	5-66
5.1.10.12	Former Machine Gun Range [112Q].....	5-67
5.1.10.13	Former Demolition Area [113Q-X]	5-67
5.1.10.14	Former Large Caliber Weapons Range [114Q-X]	5-67
5.1.10.15	Former Rifle Range [151Q]	5-67
5.1.10.16	Former Small Arms Range (115Q).....	5-67
5.1.10.17	60mm Mortar Range [116Q-X]	5-67
5.1.10.18	Former Artillery Training Area [108Q-X].....	5-68
5.1.10.19	Former Bandholtz Machine Gun Qualifying Range [213Q].....	5-68
5.1.10.20	Former Bandholtz Field Firing Range No. 2 [214Q]	5-68
5.1.10.21	Former Defendam Field Firing Range No. 2 [215Q]	5-68
5.1.10.22	Former Pistol Ranges, Bldgs. 141 and 143 [16Q-A(P)/L(P)/R, 217Q]	5-69
5.1.10.23	Former Rifle Grenade Range North of Washington Ranges [221Q-X].....	5-69
5.1.10.24	Former Rifle Grenade Range at Skeet Range [222Q-X].....	5-69
5.1.10.25	Former Range 25 East [223Q]	5-69
5.1.10.26	Former Pistol Range South of R25 [224Q]	5-70
5.1.10.27	Former Defendam Range (Eastern) [225Q].....	5-70
5.1.10.28	Former Machine Gun Range [226Q].....	5-70
5.1.10.29	Former Pistol Range [227Q].....	5-70
5.1.10.30	Former Machine Gun Transition Range [228Q]	5-70
5.1.10.31	Former Rocket Launcher Range [229Q-X]	5-71
5.1.10.32	Former Antitank Range [230Q-X].....	5-71
5.1.10.33	Former Range O.Q.-2A [231Q]	5-71
5.1.10.34	Area 45 [232Q-X]	5-71
5.1.10.35	Former Trap and Skeet Range (127Q).....	5-72
5.1.10.36	Former Weapons Demonstration Area [194(7)HR(P)].....	5-72
5.1.10.37	Former Probable Range [247Q-X]	5-72

5.1.10.38	Former 81mm Mortar Range, Northeastern Main Post [137Q-X]	5-73
5.1.10.39	Impact Areas North-Central Main Post [132Q-X, 133Q-X, 134Q-X]	5-73
5.1.10.40	Impact Area near Stump Dump [135Q-X]	5-73
5.1.10.41	Impact Area, Northeast Main Post [136Q-X]	5-73
5.1.10.42	Impact Areas [138Q-X, 139Q-X, 140Q-X, 141Q-X, 142Q-X]	5-73
5.1.10.43	Impact Area in Central Main Post [239Q-X]	5-74
5.1.10.44	Other Main Post Impact Areas [117Q-X, 118Q-X, 119Q-X, 120Q-X, 121Q-X, 122Q-X, 123Q-X, 124Q-X, 125Q-X, 218Q-X, 219Q-X, 220Q-X]	5-74
5.1.11	Active Training Areas	5-75
5.1.12	Inactive Training Areas	5-75
5.1.12.1	Former Fire Training Pit [77(7)PR/HR(P)]	5-75
5.1.12.2	Former Mock Vietnam Village (129-Q-X)	5-75
5.1.12.3	Former Mock Village at Yahoo Lake (130Q-X)	5-76
5.1.12.4	Former Smoke Areas R and S [105(6)PR; 106(6)PR]	5-76
5.1.12.5	Former Smoke Range BVZ [124(7)PR]	5-77
5.1.12.6	Former Sandel Flamethrower Range [97(7)PR]	5-77
5.1.13	Industrial Areas	5-77
5.1.13.1	Directorate of Engineering and Housing Area [64(7)HS/PS/HR(P)/PR(P)]	5-78
5.1.13.2	Autocraft Shop [20(7)PS/PR, 100(7)HS/PS, 47(7)PS]	5-80
5.1.13.3	Former Defense Property Disposal Office [152(7)HS/HR(P)]	5-81
5.1.13.4	Former Ordnance Motor Repair Area [75(7)HS/HR(P)/PS/PR(P)]	5-81
5.1.13.5	Former Small Weapons Repair Shop at Bldg. 335 [66(7)HS/HR]	5-83
5.1.13.6	Former Battery and Maintenance Storage Area, Bldg. 234 [67(7)HS/HR(P)]	5-84
5.1.13.7	Defense Reutilization and Marketing Office Facility [85(7)HS/HR]	5-85
5.1.13.8	Former Pentachlorophenol Dip Tank [64(7)HS/PS/HR(P)/PR(P)]	5-86
5.1.13.9	Former Multi-Craft Shop [111(7)HR(P)]	5-87
5.1.13.10	Consolidated Maintenance Facility [76(2)HS/PS]	5-87

5.1.13.11	Former Incinerators [96(7)PS(P)]	5-88
5.1.13.12	Old Incinerator [125(7)HR(P)]	5-89
5.1.13.13	Former Tar Plant [99(7)PS/PR].....	5-89
5.1.13.14	Former Quartermaster's Gasoline Storage and Former Fuel Yard [130(7)PS, 131(7)PS]	5-89
5.1.13.15	General Service Administration Area and Surrounding Warehouses [151(7)HS(P)/PS(P)/HR(P)/PR(P)]	5-90
5.1.13.16	Contractor Laydown Area [86(7)HS/HR(P)/PR(P)].....	5-90
5.1.13.17	National Guard Small Weapons Cleaning and Storage Compound [174(7)HS].....	5-91
5.1.14	Medical Facilities.....	5-91
5.1.14.1	U.S. Army Noble Hospital [92(2)HS].....	5-91
5.1.14.2	U.S. Army Noble Hospital Incinerator [92(2)HS]	5-92
5.1.14.3	Former Hospital [95(7)HS/HR(P)].....	5-92
5.1.14.4	Former Dental Clinic No. 2 [161(1)].....	5-93
5.1.14.5	Current Dental Clinic [161(1)]	5-93
5.1.15	Printing Plants	5-94
5.1.15.1	Current Printing Plant at Bldg. 3183 [162(7)HS/HR(P)]	5-94
5.1.15.2	Former Printing Plants [161(7)HS/HR(P), 171(7)HS/HR(P), 173(7)HS/HR(P), 172(7)HS/HR(P)]	5-94
5.1.16	Ground Scars.....	5-95
5.1.16.1	Ground Scar South of Bldg. 3134 [153(7)HR(P)]	5-95
5.1.16.2	Ground Scar/Trenches [154(7)HR(P)].....	5-95
5.1.16.3	Ground Scar with Small Pit [155(7)HR(P)]	5-95
5.1.16.4	Ground Scar Near the Ammunition Supply Point [156(7)HR(P)]	5-96
5.1.16.5	Ground Scar, South of Autocraft Shop [157(7)HR(P)].....	5-96
5.1.16.6	Ground Scar, Located Within the Southern End of the Confidence Course [158(7)HR(P)].....	5-96
5.1.16.7	Ground Scar at the Driving Course [200(7)HS/HR(P)]	5-96
5.1.16.8	Potential disposal sites at Reilly Air Field [227(7)HR(P), 229(7)HR(P)]	5-97
5.1.16.9	Probable Fill Area at Range 30 [231(7)HR(P)].....	5-97
5.1.16.10	Fill Area North of Landfill No. 2 [230(7)HR(P)].....	5-98
5.1.16.11	Mounded Material West of Range 19 [232(7)HR(P)]	5-98
5.1.16.12	Fill Area West of Range 19 [233(7)HR(P)].....	5-98

5.1.16.13	Trenches West of Remount Creek [228(7)HR(P)]	5-98
5.1.16.14	Trenches at Range 19 [234(7)HR(P)]	5-98
5.1.16.15	Trenches near Range 20 Firing Line [239(7)HR(P), 240(7)HR(P)]	5-99
5.1.17	Hazardous Materials Storage Areas	5-99
5.1.17.1	Current Hazardous Storage Facility [98(2)HS]	5-99
5.1.17.2	Flammable and Hazardous Materials Storage Areas [255(7)HS/HR(P)]	5-100
5.1.17.3	Former Waste Chemical Storage Bldg. [87(7)HS/HR]	5-100
5.1.18	Other Main Post Sites	5-101
5.1.18.1	Ammunition Supply Point [197(7)HS, 199(7)HR(P)]	5-101
5.1.18.2	Safe Quantity Distance Zone (SQDZ) [161(1)]	5-102
5.1.18.3	Current Polychlorinated Biphenyl Storage Facility [60Q-P]	5-102
5.1.18.4	Temporary Transformer Storage Facility [99(7)PS/PR, 61Q-P]	5-103
5.1.18.5	Main Post Fog Oil Drum Storage Area [88(6)PS/PR]	5-103
5.1.18.6	Former Main Post Fog Oil Drum Storage Area [122(7)PS/PR(P)]	5-104
5.1.18.7	Wastewater Treatment Plant [217(1)]	5-104
5.1.18.8	Drainfield at Area 4 [236Q]	5-104
5.1.18.9	Former Dry Cleaning Area [91(7)HS/HR(P)]	5-105
5.1.18.10	Quarries and Borrow Pits	5-105
5.1.18.11	Training Aids Building [166(7)HS/HR(P)]	5-105
5.1.18.12	Main Post Creeks and Tributaries [53(7)HR(P)/PR(P)]	5-106
5.1.19	Chocolocco Corridor Sites	5-106
5.1.19.1	Former Chocolocco Corridor Smoke Area [107(7)PR]	5-107
5.1.19.2	Former Smoke Area at South Slope of Morgan Mountain; Chocolocco Corridor [159(7)PR]	5-107
5.1.19.3	Former Ranges 40 through 43 [94Q, 95Q, 96Q, 97Q]	5-107
5.1.19.4	Ranges, Range 40 Area [143Q, 144Q-X, 145Q-X, and 146Q]	5-107
5.1.19.5	Impact Areas Range 40 Area [147Q-X, 148Q-X, and 131Q-X]	5-108
5.1.19.6	Possible Range and Impact Area, Eastern Chocolocco Corridor [237Q-X, 238Q-X]	5-108
5.1.19.7	Cleared Area with Mound [237(7)HR(P)]	5-108

5.2 Pelham Range Sites	5-109
5.2.1 Underground Storage Tanks	5-109
5.2.2 Aboveground Storage Tanks	5-109
5.2.3 Washracks.....	5-109
5.2.3.1 Unit Training Equipment Site Washrack	5-109
5.2.3.2 Directorate of Logistics Washrack [169(7)PS/PR(CP)].....	5-110
5.2.4 Landfills/Disposal Sites	5-110
5.2.5 Boiler Plants	5-110
5.2.6 Motor Pools.....	5-110
5.2.6.1 Unit Training Equipment Site Motor Pool [65(7)PS/PR(P)]	5-110
5.2.6.2 Directorate of Logistics Motor Pool [169(7)PS/PR(P)].....	5-111
5.2.7 Pesticide/Herbicide Management Areas	5-111
5.2.7.1 Forestry Compound [84(7)HS/HR(P)].....	5-111
5.2.8 U.S. Army Chemical School Facilities	5-112
5.2.8.1 Range I (Former): Former Agent Shell Tapping Area [201(7)HR(P)]	5-112
5.2.8.2 Range J (Former) [202(7)HR(P)].....	5-113
5.2.8.3 Range K (Former): Agent Training Area [203(7)HR(P)].....	5-113
5.2.8.4 Range L (Former): Lima Pond [204(7)HR(P)].....	5-114
5.2.8.5 Old Water Hole [205(7)HR(P)]	5-115
5.2.8.6 Reported Distilled Mustard Spill/Burial Site [210(7)HR(P)].....	5-115
5.2.8.7 Former Anniston Army Depot Disposal Site [208(7)HR(P)]	5-115
5.2.8.8 Former Personnel and Equipment Decontamination Station [206(7)HR(P)]	5-115
5.2.8.9 Former Decontamination Training Area South of the Toxic Gas Area [207(7)HR]	5-116
5.2.8.10 Former Biological Test Area [209(7)HR(P)].....	5-116
5.2.8.11 Former Toxic Gas Area [211(7)HR]	5-117
5.2.9 Active Ordnance Ranges.....	5-118
5.2.9.1 Large Impact Area and Small Arms Impact Area [161Q-X, 162Q-X]	5-118
5.2.9.2 Range 23A: Multipurpose Range [109(7)PR, 152Q-X].....	5-119
5.2.9.3 Range 50: Multipurpose Range (Small Arms and Demolition) [153Q].....	5-119
5.2.9.4 Range 51: Multipurpose Familiarization Range [154Q-X]	5-119
5.2.9.5 Range 53: Machine Gun Training Range [156Q]	5-119

5.2.9.6	Range 56: Mechanized Smoke Operations [110(7)PR].....	5-120
5.2.9.7	Range 57: 300m Field Fire RETS (Remote Electronic Targeting System) [157Q].....	5-120
5.2.9.8	Range 59: 300m Record Field Fire (RETS) [158Q].....	5-120
5.2.9.9	Range 60: Mark 19 Range [159Q-X]	5-120
5.2.9.10	Mortar Firing Points [184Q-X, 185Q-X, 186Q-X, 187Q-X, 188Q-X, 189Q-X, 190Q-X, 191Q-X, 192Q-X, 193Q-X, 194Q-X, 195Q-X]	5-120
5.2.9.11	Artillery Firing Points [203Q-X, 204Q-X, 205Q-X, 206Q-X, 207Q-X, 208Q-X, 209Q-X, 212Q-X]	5-121
5.2.9.12	Tank Range [160Q-X].....	5-121
5.2.10	Inactive Ordnance Ranges	5-121
5.2.10.1	Range 52: 10m Zero and Transition/Qualification Range [155Q].....	5-122
5.2.10.2	Inactive Ranges Shown on 1944 Map [165Q-X, 166Q, 167Q, 168Q, 169Q, 170Q, 171Q]	5-122
5.2.10.3	Former Impact Areas [172Q-X, 173Q-X, 174Q-X, 175Q-X, 176Q-X, 177Q-X, 210Q-X]	5-123
5.2.11	Active Training Areas	5-123
5.2.11.1	Open Burning/Open Detonation Area [163Q-X].....	5-123
5.2.12	Inactive Training Areas	5-124
5.2.12.1	Former Security Operational Test Site (SOTS) [102(7)HR].....	5-124
5.2.12.2	Former Explosive Ordnance Disposal Unit Bivouac Area [164].....	5-126
5.2.13	Industrial Areas.....	5-126
5.2.14	Medical Facilities.....	5-126
5.2.15	Printing Plants	5-126
5.2.16	Ground Scars.....	5-126
5.2.17	Flammable and Hazardous Materials Storage Areas	5-126
5.2.18	Other Pelham Range Sites	5-127
5.2.18.1	Current Pelham Range Fog Oil Storage Area [123(6)PS/PR(P)].....	5-127
5.2.18.2	Former Fog Oil Storage Areas	5-127
5.3	Non-CERCLA Environmental Issues.....	5-128
5.3.1	Asbestos	5-128
5.3.1.1	Child Care Facility	5-129

5.3.1.2	Health Care Facilities	5-129
5.3.1.3	Dining Facilities	5-129
5.3.1.4	Headquarters/Administration Facilities	5-129
5.3.1.5	General Institution Buildings	5-130
5.3.1.6	Housing Facilities	5-130
5.3.1.7	Miscellaneous Buildings	5-131
5.3.1.8	Non-Existent Buildings (as of October 1995)	5-132
5.3.1.9	Buildings Constructed in 1985 or Later	5-132
5.3.2	Chemical Warfare Materiel	5-132
5.3.3	Lead-Based Paint.....	5-132
5.3.3.1	Child Care Facilities	5-133
5.3.3.2	Recreational Facilities	5-133
5.3.3.3	Health Care Facilities	5-133
5.3.3.4	Community-Related Facilities	5-133
5.3.3.5	Housing Facilities	5-133
5.3.3.6	Soil Tests Completed	5-135
5.3.3.7	Buildings Constructed in 1978 or Later	5-135
5.3.4	Polychlorinated Biphenyls.....	5-135
5.3.5	Radiological Facilities.....	5-137
5.3.5.1	Main Post	5-138
5.3.5.2	Pelham Range	5-143
5.3.6	Radon	5-144
5.3.7	Unexploded Ordnance.....	5-145
5.4	FTMC Building Table and Discussion	5-145
5.5	Adjacent or Surrounding Property Issues	5-145
5.5.1	Central Castings Corporation (Formerly Key Foundry and Eagle Castings)	5-175
5.5.2	Huron Valley Steel Corporation & Landfill Clays—Mine/Landfill (Formerly Donoho Clay).....	5-175
5.5.3	Texaco Food Mart #145	5-176
5.5.4	DNK Chevron (G&M Food Store #5)/Homestyle Laundry	5-176
5.5.5	Exxon Starmart.....	5-176
5.5.6	Walmart Tire and Lube Express	5-176
5.5.7	Unoccupied Property/Former Movie Works (Formerly Lee's Oriental Market).....	5-177
5.5.8	Laney's/Ryder Truck Rental	5-177
5.5.9	Alabama Limousine	5-178

5.5.10 Discount Food Mart No. 102	5-178
5.5.11 Discount Carwash No. 111	5-178
5.5.12 Sparkle Mart	5-179
5.5.13 Rudolph Perkins Property.....	5-179
5.5.14 Calhoun County Transfer Station.....	5-180
5.5.15 Anniston Army Depot	5-180
5.5.16 Christophers Diesel Service (Abandoned).....	5-182
5.6 Remediation Efforts.....	5-183
6.0 CERFA Findings	6-1
6.1 CERFA Parcel Findings	6-1
6.2 CERFA Letter Report	6-2
7.0 References.....	7-1

Table of Contents (continued)

List of Tables

Table 2.0-1	Historical Aerial Photographs Reviewed During Fort McClellan EBS Record Search	2-2
Table 3.2-1	FTMC Permits Issued, Based on Results of ADEM File Search, January 8, 1997	3-14
Table 3.2-2	FTMC RCRA History	3-16
Table 3.2-3	Known Water Supply Wells at FTMC.....	3-29
Table 4.5-1	Rare and Uncommon Species Recorded on FTMC	4-13
Table 4.5-2	Candidate Species Recorded on FTMC	4-15
Table 5.1-1	UST Inventory by Parcel Number.....	5-4
Table 5.1-2	UST Inventory by Building Number	5-7
Table 5.1-3	Reported Spill Information	5-35
Table 5.4-1	FTMC Building Table .(Electronic Version Currently Unavailable).....	5-146
Table 5.5-1	Adjacent Properties Review	5-169
Table 6.0-1	CERFA Parcel Descriptions.....	6-9
Table 6.0-2	Non-CERCLA Issues Descriptions.....	6-39

List of Figures

Figure 3.1-1	Site Location Map.....	3-3
Figure 4.5-1	Main Post - Historic Settlement Sites	4-5
Figure 4.5-2	Pelham Range - Historic Settlement Sites.....	4-6
Figure 4.5-3	Main Post - Man-Made Stone Features and Earthen Mounds	4-8
Figure 4.5-4	Pelham Range - Man-Made Stone Features and Earthen Mounds	4-9
Figure 1	CERFA Parcel Map	
Figure 2	Non-CERCLA Issues	
Figure 3	CERFA Parcel Map Inset from Figure 1	
Figure 4	Non-CERCLA Issues Inset from Figure 2	
Figure 5	Pelham Range CERFA Parcel Map	
Figure 6	Pelham Range Non-CERCLA Issues Map (see Sec. 6.2)	

Table of Contents (continued)

Volume II

List of Appendices

Appendix A	Regulatory Database Searches (Electronic Version Currently Unavailable)
Appendix B	Interview Notes
Appendix C	Title Documents (Electronic Version Currently Unavailable)
Appendix D	Storage Tank Inventory
Appendix E	Pesticides and Herbicides (Electronic Version Currently Unavailable)
Appendix F	Chemical Warfare Materiel (Electronic Version Currently Unavailable)
Appendix G	Ranges and Training Areas (Electronic Version Currently Unavailable)
Appendix H	Hazardous Materials Inventory (Electronic Version Currently Unavailable)
Appendix I	Unexploded Ordnance (Electronic Version Currently Unavailable)
Appendix J	Asbestos Containing Material
Appendix K	Lead-Based Paint (Electronic Version Currently Unavailable)
Appendix L	Polychlorinated Biphenyls (Electronic Version Currently Unavailable)
Appendix M	Radiological Facilities (Electronic Version Currently Unavailable)
Appendix N	Radon

List of Acronyms and Abbreviations

AAFES	Army Air Force Exchange Service
ACM	asbestos-containing material
ADEM	Alabama Department of Environmental Management
AEC/NRC	Atomic Energy Commission/Nuclear Regulatory Commission
AIRS	Aerometric Information Reporting System
AL ARNG	Alabama Army National Guard
AMSA	Area Maintenance Support Activity
ANAD	Anniston Army Depot
ANCDF	Anniston Chemical Agent Disposal Facility
ANHP	Alabama Natural Heritage Program
APC	armored personnel carrier
APG	Aberdeen Proving Ground
AR	Army Regulation
AREEs	Areas Requiring Environmental Evaluation

Table of Contents (continued)

ARNG	Army National Guard
ASA	Ammunition Storage Area
ASP	Ammunition Supply Point
AT	Annual Training
BCP	BRAC Cleanup Plan
BDO	Battle dress overgarments
BEQ	Bachelor Enlisted Quarters
BG	<i>bacillus globigii</i>
BII	Basic Item Issuance
BIRTC	Branch Immaterial Replacement Training Center
BIS	Building Information Schedule
BOQ	Bachelor Officer Quarters
BP	before present
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene and xylene
C/D	construction and demolition
CAA	Clean Air Act
CCC	Central Castings Corporation
CDTF	Chemical Defense Training Facility
CDTF	Chemical Defense Training Facility
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Act Information System
CERFA	Community Environmental Response Facilitation Act
CFC	chlorofluorocarbon
CG	phosgene
CHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
CID	Criminal Investigation Division
cm/sec	centimeters per second
cm	centimeters
CORRACTS	Corrective Action Report
CWA	chemical warfare agents
CWM	chemical warfare materiel
D&I	Detection and Identification
DANC	Decontamination Agent, Non-Corrosive

Table of Contents (continued)

DATS	Drill and Transfer System
DCP	Directorate of Civilian Personnel
DCA	Defense Commissary Agency
DEH	Directorate of Engineering and Housing
Delisted NPL	Delisted National Priorities List Sites
DFAS	Defense Financing and Accounting Services
DIS	Defense Investigative Service
DOC	Directorate of Contracting
DOD	Department of Defense
DODPI	Department of Defense Polygraph Institute
DOE	Directorate of Environment
DOIM	Directorate of Information Management
DOL	Directorate of Logistics
DPCA	Directorate of Personnel and Community Activities
DPDO	Defense Property Disposal Office
DPTMSEC&RCS	Directorate of Plans, Training, Mobilization, and Security and Reserve Component Support
DRCS	Directorate of Reserve Components Support
DRM	Directorate of Resource Management
DRMO	Defense Reutilization and Marketing Office
DS2	Decontamination Solution Number 2
DSERTS	Defense Sites Environmental Restoration Tracking System site number
EBS	Environmental Baseline Survey
ECS	Equipment Concentration Site
EEOO	Equal Employment Opportunity Office
EM	electromagnet
EMD	Environmental Management Division
EOCT	End of Course Training
EOD	Explosives and Ordnance Disposal
EOO	Equal Opportunity Office
EP	extraction procedure
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
ERNS	Emergency Response Notification System
ERRB	Emergency Response and Removal Branch
ESE	Environmental Science & Engineering, Inc.

Table of Contents (continued)

ESMP	Endangered Species Management Plan for Fort McClellan
°F	degrees Fahrenheit
FFE	field flame expedient
FINDS	Facility Index System
FOSL	Finding of Suitability to Lease
FOST	Finding of Suitability to Transfer
FS	Feasibility Study
ft/day	feet per day
ft/ft	feet per foot
ft	feet
ft-msl	feet above mean sea level
ft ²	square feet
FTMC	Fort McClellan
gal	gallon
GB	Sarin
GBP	gasoline bulk plant
gpm	gallon per minute
GSA	General Service Administration
H	mustard
HCB	hexachlorobenzene
HD	distilled mustard
HMIRS	Hazardous Materials Inventory Reporting System
HMMWV	high mobility multipurpose wheeled vehicle
HRS	Hazard Ranking System
HUD	Department of Housing and Urban Development
HVSC	Huron Valley Steel Corporation
ID	induced draft
IDT	Inactive Duty Training
IG	Inspector General
IRAC	Internal Review and Audit Compliance
IRC	Industrial Radiation Consultation
IRFNA	inhibited red fuming nitric acid
IRP	Installation Restoration Program
IRTC	Infantry Replacement Training Center
ISCP	Installation Spill Contingency Plan
JAG	Judge Advocate General

Table of Contents (continued)

JCE	John Calvert Environmental, Inc.
JP4	jet propellant No. 4
KBr	potassium bromide
KD	known distance
LBP	lead-based paint
lbs	pounds
LRA	Local Redevelopment Authority
LUST	Leaking Underground Storage Tanks
MCAD	Marine Corps Administrative Detachment
MCL	Maximum Contaminate Levels
MEK	methyl ethyl ketone
mg/cm ²	milligram per square centimeter
MLTS	Material Licensing Tracking System
MOGAS	motor vehicle gasoline
MOUT	Military Operations in Urban Terrain
MP	U.S. Army Military Police
mph	miles per hour
MR	molasses residuum
MW	monitor well
NAVCONSTRACENDET	Naval Construction Training Center Detachment
NBC	nuclear, biological, and chemical
NEPA	National Environmental Policy Act
NFRAP	No Further Remedial Action Planned
NOVs	Notices of Violation
NPDES	National Pollutant Discharge Elimination System Facilities
NPL	National Priorities List
NRC	Nuclear Regulatory Commission
NSA	New South Associates, Inc.
OB/OD	Open Burn/Open Detonation Area
OEW	ordnance and explosive waste
OMRA	Ordnance Motor Repair Area
PA	Preliminary Assessment
PADS	PCB Activity Database System
PAHs	polynuclear aromatic hydrocarbons
PAO	Public Affairs Office
PCBs	polychlorinated biphenyls

Table of Contents (continued)

PCBs	polychlorinated biphenyls
pCi/L	picocuries per liter
PCP	pentachlorophenol
PDS	Personnel Decontamination Station
PEG 200	polyethylene glycol 200
PFT	portable M-27A-1 flamethrower
PMO	Provost Marshal Office
POVs	privately owned vehicles
POW	Prisoner of War
ppb	parts per billion
ppm	parts per million
PRP	Potentially Responsible Parties
Q	Qualified Parcels
RAATS	RCRA Administrative Action Tracking System
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Act Information System
RETS	Record Field Fire
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
ROTC	Reserve Officer Training Corps
RPO	radiation protection officer
RTC	Recruit Training Center
SADL	South Atlantic Division Laboratory
SDZ	surface danger zone
SHPO	State Historic Preservation Office
SHWS	Alabama Hazardous Substances Cleanup Fund
SIA	Southeast Industrial Area
SINAs	Special Interest Natural Areas
SJA	Staff Judge Advocate
SM	serratia marcescens
SOTS	Security Operations Test Site
SPL	State Priority List
SVOCs	semivolatile organic compounds
SWF/LF	Alabama Permitted Landfills

Table of Contents (continued)

SWMU	solid waste management unit
SWS	Records of Decision ROD;Solid Waste Sites
TCA	1,1,1-trichloroethane
TCC	Training Center Command
TMA	TRADOC Manpower Activity
TMDE	Test/Measurement/Diagnostic Equipment
TNG BDE	Training Brigade
TOC	total organic carbon
TOSCA	Toxic Substances Control Act
TRADOC	U.S. Army Training and Doctrine Command
TRIS	Toxic Release Inventory System
TSCA	Toxic Substances Control Act
TSI	thermal system insulation
TSS	total suspended solids
UDMH	unsymmetrical dimethylhydrazine
USACE	U.S. Army Corps of Engineers
USACMLS	U.S. Army Chemical School
USADENTAC	U.S. Army Dental Activity
USAEC	U.S. Army Environmental Center
USAMEDDAC	U.S. Army Medical Department Activity
USAMPS	U.S. Army Military Police School
USAR	U.S. Army Reserves
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USFWS	U.S. Fish and Wildlife Service
USTs/ASTs	Underground Storage Tanks/Aboveground Storage Tanks
UTES	Unit Training Equipment Site
UXO	unexploded ordnance
VOCs	volatile organic compounds
VSI	visual site inspections
VX	nerve agent
WAC	Women's Army Corps
Weston	Roy F. Weston, Inc.
WWI	World War I
WWII	World War II
WWTP	Wastewater Treatment Plant
XRF	X-ray Fluorescence Spectrometer