

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|    |  |
|----|--|
| 1  | #-81 Blasting Caps   |
| 2  | (C <sub>2</sub> H <sub>4</sub> ) <sub>4</sub> B <sub>2</sub> H <sub>2</sub>  |
| 3  | (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> B  |
| 4  | (CH <sub>3</sub> ) <sub>2</sub> NP(CH <sub>3</sub> ) <sub>2</sub>  |
| 5  | (CH <sub>3</sub> ) <sub>2</sub> PH   |
| 6  | (CH <sub>3</sub> ) <sub>2</sub> PH/CH <sub>3</sub> PH <sub>2</sub>   |
| 7  | (CH <sub>3</sub> ) <sub>3</sub> P  |
| 8  | (CH <sub>3</sub> NBH) <sub>3</sub>   |
| 9  | (Me <sub>2</sub> )NBCL <sub>2</sub> ) <sub>2</sub>   |
| 10 | (PF <sub>2</sub> ) <sub>3</sub> N  |
| 11 | (PF <sub>2</sub> N) <sub>n</sub>   |
| 12 | 1 of 13 was CC/DOT 3A480-chlorine  |
| 13 | 1,3-Diphenphosphine  |
| 14 | 1,3-diphosphino propane  |
| 15 | 1,4-diphosphino butane   |
| 16 | -10  |
| 17 | 10% fluorine   |
| 18 | 20% nitroglycerine, 80% methylene chloride   |
| 19 | 30% methylene chloride solution  |
| 20 | 4 bottles unknown liquid   |
| 21 | 49 RDX pellets (SSME)  |
| 22 | 49-75 gram RDX pellets (SSME)  |
| 23 | 5% TEA/TEB cans  |
| 24 | 5% TEAB  |
| 25 | 5% TEAB/RP-1   |
| 26 | 50% propyl nitrate/50% isopropyl alcohol   |
| 27 | 6 samples of FTM   |
| 28 | 75% C <sub>2</sub> H <sub>5</sub> OH/ 25% AZDNE  |
| 29 | a plasticizer (TEGDN)  |
| 30 | AB-1   |
| 31 | Acetic Acid  |
| 32 | acetone  |
| 33 | Acetone, Contaminated  |
| 34 | acetone, ethanol, isopropanol, NG, TMETN, DANPE, Al, Mg, Cr, Si  |
| 35 | acetone, ETOH, ETAC, NC, CAB, DANPE, NG, RDX, AP, RDX, Al <sub>2</sub> O <sub>3</sub> , Cr <sub>2</sub> O <sub>3</sub> , MgO, Al, Mg, Cr, paper towels, plastic containers |
| 36 | acetonitrile   |
| 37 | acetylene  |
| 38 | acid   |
| 39 | Acid-cleaning  |
| 40 | Acids  |
| 41 | acids/misc acids   |
| 42 | additional ampoules from Vanowen. See Appendix A tab.  |
| 43 | AFN25  |
| 44 | Alcohol  |
| 45 | alcohols   |
| 46 | Alkali metals  |

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|    |  |
|----|--|
| 47 | Alkaline Cleaner   |
| 48 | Alkaline powder  |
| 49 | aluminium  |
| 50 | Aluminum   |
| 51 | Aluminum Chloride  |
| 52 | aluminum oxide   |
| 53 | aluminum powder  |
| 54 | Aluminum powder 54 gm + Freon TF   |
| 55 | Alumnum turnings 33 gm saturated with sulfur-base cutting oil + Freon TF   |
| 56 | amatol/HND   |
| 57 | ammonia  |
| 58 | Ammonia cylinders (small)  |
| 59 | Ammonia perchlorate  |
| 60 | ammonium   |
| 61 | ammonium nitrate/PETN  |
| 62 | ammonium perchloate (oxidizers)  |
| 63 | ammonium perchlorate   |
| 64 | ampoules of unknowns from Vanowen  |
| 65 | Amyl nitrate   |
| 66 | anhydrous ammonia  |
| 67 | AP nitrate esters  |
| 68 | AP, GAP, TMETN, N-100, C, NMA.   |
| 69 | approximately 60 cubic yards of loosely packed empty steel drums and misc. scrap metals formally hazardous materials |
| 70 | aqua ammonia   |
| 71 | Aqueous Ammonia  |
| 72 | argon  |
| 73 | Argon Gas  |
| 74 | asbestos   |
| 75 | AZDNE/MeCl <sub>2</sub>  |
| 76 | B5H8Et   |
| 77 | B5H8I  |
| 78 | B5H9   |
| 79 | Barium chloride  |
| 80 | Bas Cyl's  |
| 81 | bases  |
| 82 | BCl <sub>2</sub>   |
| 83 | Benzaldehyde   |
| 84 | benzene  |
| 85 | benzene on sawdust   |
| 86 | benzene/MBDA recovery  |
| 87 | Benzene-HCL  |
| 88 | Benzene-Hydrochloric Acid Mixture  |
| 89 | Bermite Carbides   |
| 90 | binders  |
| 91 | Bis Ethyl 2 Chloroformal   |
| 92 | bis( 2,2-difluoramino-5,5,5-fluorodinitropentyl) formal (SYFO)   |

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|     |  |
|-----|--|
| 93  | Bis(2,2-difluoroemino-5,5,5-fluorodinitropentyl) formil (SYFO)   |
| 94  | Bis(fluorodinitroethoxy) 2,2-bis(difluoramino) propane (SYEP)  |
| 95  | Bis(fluorodinitroethoxy)-2-isopropanol (SECOH)   |
| 96  | bis(fluorodinitroethoxy) 2,2-bis(difluoroamino) propane (SYEP)   |
| 97  | bis(fluorodinitroethoxy)2-propanol (SECOH)   |
| 98  | Black Powder   |
| 99  | Blasting caps  |
| 100 | blue green cylinder-unknown (F2)   |
| 101 | boranes  |
| 102 | boric oxide  |
| 103 | Borol  |
| 104 | Boron 90%  |
| 105 | boron amorphous  |
| 106 | Boron Fuel   |
| 107 | Boron hydride  |
| 108 | Boron trifluoride  |
| 109 | Bottles  |
| 110 | Breathing air  |
| 111 | Bromide pentafluoride serial RS0215  |
| 112 | Bromine  |
| 113 | Bromine pentafluoride  |
| 114 | Bromine pentafluoride general chemical serial R-59   |
| 115 | Bromine trifluoride  |
| 116 | Bromine trifluoride  |
| 117 | BTU NG compound  |
| 118 | Butadiene  |
| 119 | Butadiene polymate   |
| 120 | butadiene polymer  |
| 121 | butadienes   |
| 122 | butaiene polymer, R-45   |
| 123 | butanetriol trinitrate   |
| 124 | C <sub>2</sub> H <sub>5</sub> BCl <sub>2</sub>   |
| 125 | C <sub>2</sub> H <sub>5</sub> PH <sub>2</sub>  |
| 126 | CAB, NC, CMP, CONPALT, TMETN, DEGDN, TEGDN, NG, EC PVAC, TEGDA, PEG, R-45, GAP, GAPA, ATEC, NDPA, RDX, AP, KP, ZRH2, TAGN, K <sub>2</sub> SO <sub>4</sub> , C, CUO <sub>2</sub> O <sub>2</sub> , Al, Mg, B, acetone, toluene, ETOH, ETAC |
| 127 | CaH <sub>2</sub>   |
| 128 | CAL-3  |
| 129 | Calcium chloride   |
| 130 | Calcium hydride  |
| 131 | Carbon Tetrachloride   |
| 132 | cartridge NA5-28088-1  |
| 133 | cartridge NA5-28124  |
| 134 | cartridge NA5-28124T1  |
| 135 | Caustic Soda   |
| 136 | Caustid Potash   |
| 137 | CCl <sub>4</sub>   |
| 138 | Cesium   |

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|     |   |
|-----|---|
| 139 | CF <sub>2</sub> Cl <sub>2</sub>   |
| 140 | CF <sub>3</sub> I   |
| 141 | CF <sub>3</sub> SF <sub>5</sub>   |
| 142 | CH <sub>3</sub> HP(CH <sub>2</sub> ) <sub>3</sub> PHCH <sub>3</sub>   |
| 143 | CH <sub>3</sub> MgBr in THF: 3-100 gm bottles   |
| 144 | CH <sub>3</sub> PCl <sub>2</sub>  |
| 145 | CH <sub>3</sub> SiCl <sub>3</sub>   |
| 146 | Chem Solvent  |
| 147 | Chemicals, unknown  |
| 148 | chlorine  |
| 149 | Chlorine & O <sub>2</sub> gas   |
| 150 | chlorine gas  |
| 151 | Chlorine Pentafluoride  |
| 152 | chlorine pentafluoride (compound A)   |
| 153 | Chlorine Trifluoride  |
| 154 | Chlorine trifluoride  |
| 155 | Chlorine trifluorine  |
| 156 | ChlorineTrifluoride   |
| 157 | chlorioform   |
| 158 | Chlorobutadiene   |
| 159 | Chloroform  |
| 160 | Chloropropane   |
| 161 | Chromic acid  |
| 162 | cleaning materials and swabs  |
| 163 | CMP, N-100, DANPE, CMP, NC, NG, PCOE, S-RP, CAB, ATEC, GAPA, R-45, DD1, DOA, PEC, CMGA, DX, NDPA, ZrH <sub>2</sub> , Si, HMX, B, KClO <sub>3</sub> , NaHCO <sub>3</sub> , DATH, S, yellow dye, Al, am. Iodate, OECHCURANZ, bV2, K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> , hexachloroethane, acetone, toluene, ethanol, ethyl acetate. |
| 164 | CO  |
| 165 | CO <sub>2</sub>   |
| 166 | Comp A.   |
| 167 | Comp A. fluid   |
| 168 | Comp C-4  |
| 169 | Comp. A   |
| 170 | composite solid propellant grain  |
| 171 | composition A/picric acid   |
| 172 | composition B/ RDX  |
| 173 | composition C/ tetryl   |
| 174 | composition D/ torpex   |
| 175 | Compound A  |
| 176 | Compound A cylinder (1 empty)   |
| 177 | compress gas cylinder   |
| 178 | Compressed air  |
| 179 | Conax valves  |
| 180 | Contaminated Hydrasins  |
| 181 | Contaminated UDMH   |
| 182 | corrosives  |
| 183 | Crude CH <sub>3</sub> SF <sub>5</sub>   |

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|     |  |
|-----|--|
| 184 | CTF cylinders  |
| 185 | CTF-Igniter  |
| 186 | cupric chloride  |
| 187 | cyclonite  |
| 188 | Cyclo-tetramethylene-Nitramine   |
| 189 | cyclotrimethylene  |
| 190 | cyclotrimethylene trinitramine   |
| 191 | Cylinders  |
| 192 | DATB   |
| 193 | Daworals sodium  |
| 194 | DCFO/CH <sub>3</sub> CN  |
| 195 | Decaborane   |
| 196 | Decon. Fluid   |
| 197 | Decon. Soln.   |
| 198 | DEGDN  |
| 199 | Delta  |
| 200 | desiccator with unknown contents + cap   |
| 201 | Detonating primers 2 Gr Long 8258-470640-3   |
| 202 | Deuterium cylinders (small)  |
| 203 | DHSG ignition, TEB canisters   |
| 204 | diazidyl nitramine pentane   |
| 205 | diborane   |
| 206 | dibutylphthalate   |
| 207 | diethylphthalate   |
| 208 | Diesel fuel oil  |
| 209 | diethyl ether/benzene/magnesium boro hydride diammoniate (MBDA) residues. 4 ~1-L bottles |
| 210 | Diethylcyclohexane   |
| 211 | diethylene glycol dinitrate  |
| 212 | Diethylene Triamine  |
| 213 | difluoride gas   |
| 214 | Dimazine   |
| 215 | Dimethyl mercury   |
| 216 | dinitrotoluene   |
| 217 | dioctylththalate   |
| 218 | diotyphthalate   |
| 219 | Dioxane  |
| 220 | dioxin   |
| 221 | DPA-HPE-NFPA   |
| 222 | Dry nitrogen   |
| 223 | dynamite   |
| 224 | Elec. Lighters   |
| 225 | Electric igniters  |
| 226 | Electric squibb  |
| 227 | Electric squibb ignitors   |
| 228 | Electrolyte  |
| 229 | Electrolyte Solutionn  |
| 230 | electrolytic solution  |

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|     |  |
|-----|--|
| 231 | Empty  |
| 232 | empty TEB canister   |
| 233 | energetic binders in 300ml round-bottom flasks                                 |
| 234 | epichlorohydrin  |
| 235 | Epoxy  |
| 236 | Et <sub>2</sub> BCl  |
| 237 | Et <sub>2</sub> PH   |
| 238 | EtBBr <sub>2</sub>   |
| 239 | Ethane cylinders (large)   |
| 240 | ethenol  |
| 241 | Ether  |
| 242 | Ether Squibbs  |
| 243 | ether/benzene/MBDA   |
| 244 | Ethyl deka borane  |
| 245 | ethyl nitrate  |
| 246 | Ethylamine   |
| 247 | ethylene diamine   |
| 248 | ethylene diamine (drain back)  |
| 249 | Ethylene Oxide   |
| 250 | Ethylenediamine  |
| 251 | EtNH <sub>2</sub>  |
| 252 | EtPH   |
| 253 | EtPH <sub>2</sub>  |
| 254 | Explosive A+B  |
| 255 | Explosive wastes   |
| 256 | Explosives   |
| 257 | explosives A&B   |
| 258 | Explosives bolts   |
| 259 | F <sub>2</sub> gas   |
| 260 | F <sub>2</sub> gas generator pellets (NF <sub>4</sub> /BF <sub>4</sub> /KF/Al) |
| 261 | F <sub>2</sub> seial FL2540  |
| 262 | FDNE   |
| 263 | FDNE/alcohol   |
| 264 | FDNE/MeCl <sub>2</sub> /C <sub>2</sub> H <sub>5</sub> OH                       |
| 265 | Ferrocene  |
| 266 | FI empty cylinder  |
| 267 | FI (empty)   |
| 268 | flammable rags   |
| 269 | Flare mix  |
| 270 | flares smoke   |
| 271 | Florox   |
| 272 | Flourine allied chem. 29-230411  |
| 273 | flourine gas   |
| 274 | Fluoride   |
| 275 | Fluoride-matheson serial TH542   |
| 276 | Fluorine   |
| 277 | Fluorine Gas   |

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|     |   |
|-----|---|
| 278 | Flushing oil  |
| 279 | formaldehyde  |
| 280 | Formic Acid   |
| 281 | Freon   |
| 282 | Freon + acid  |
| 283 | Freon NTO   |
| 284 | Freon TF  |
| 285 | Fuel  |
| 286 | Fuels, Cont.  |
| 287 | Gap 30%, AP and C 70%   |
| 288 | GAP 30%, Ap/C 70%. Mix 3-21-1   |
| 289 | GAP 30%, Ap/C 70%. Mix 3-21-1,2   |
| 290 | GAP 30%, Ap/C 70%. Mix 3-21-2   |
| 291 | GAP, N-100, DANPE, GAPA, AP, Mg, Cr, HMX, NC, CMP, DATH, TMETN, DADNH, HMDI, acetone, ethyl acetate, ethanol  |
| 292 | GAP, N-100, DANPE, HMX, GAPA, TMETN, NC, CMP, DATH, DADNH, paper towels, plastic tubes and beakers, Atlasol yellow dye.   |
| 293 | GAP, N-100, TMETN, DBTDL, DANPE, CMP, R-45 DD1, PS555, GAPA, NC, NG, R-18, IDP, HD1, CAB, DOA, PEG, CMGA, AP, MNA, C, TPB, SiO2, Al, CuO2O2, Si, NOPA, KClO3, NaHCO3, S, yellow dye, BaCrO3I2, hezachloroethane, Fe, Mg, Fe2O3, Mo, B, I2O5, RDX, ZrH2, ATEC, E |
| 294 | GAP/DANPE 30%, AP/AL/Mg/Cr 70%. Paper towels, plastic containers.   |
| 295 | gas cylinders   |
| 296 | Gases, unknown  |
| 297 | Gasoline  |
| 298 | gasoline soaked sawdust   |
| 299 | GDNFE   |
| 300 | GDNFE/alcohol   |
| 301 | GDNFE/MeCl2/alcohol   |
| 302 | Gear oil  |
| 303 | Glycerine   |
| 304 | glycidyl azide polymer  |
| 305 | Glycidyl Fluorodinitroethoxide (GDNFE)  |
| 306 | glycidylazide polymer   |
| 307 | glycidylazide polymer azide   |
| 308 | glycidylazide polymers  |
| 309 | GM lab cylinders  |
| 310 | green CO2   |
| 311 | green K bottle  |
| 312 | gunpowder   |
| 313 | HBX/ TNT  |
| 314 | HCL   |
| 315 | Heptane   |
| 316 | hexane  |
| 317 | Hexanes   |
| 318 | Hexanitrostilbene   |
| 319 | hexogen   |
| 320 | HF  |

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|     |   |
|-----|---|
| 321 | Hg(CH <sub>3</sub> ) <sub>2</sub>                             |
| 322 | Hi-Cal-3  |
| 323 | Hivelites   |
| 324 | HMX   |
| 325 | HMX scrap   |
| 326 | HMX-Nitrocellulose  |
| 327 | HNB   |
| 328 | HNF   |
| 329 | HNS   |
| 330 | HX310   |
| 331 | Hybaline  |
| 332 | Hybaline - Cal-3  |
| 333 | Hybaline A and RPL  |
| 334 | Hybaline and RP   |
| 335 | Hybaline- Cal-3   |
| 336 | Hybalines   |
| 337 | Hybalines RP-1  |
| 338 | hybrid motor grades   |
| 339 | Hybrid motor grains   |
| 340 | hydraulic oil   |
| 341 | Hydraulic oil   |
| 342 | Hydraulic Oil, Contaminated                                   |
| 343 | Hydrazine   |
| 344 | Hydrazine + cap   |
| 345 | Hydrazine 90%, EDA 10%  |
| 346 | Hydrazine and admixtures samples                              |
| 347 | Hydrazine and water (drain back)                              |
| 348 | Hydrazine Nitrate   |
| 349 | Hydrazine, non-returnable drums                               |
| 350 | Hydrazine, returnable drums                                   |
| 351 | Hydrazine, warehouse drums                                    |
| 352 | Hydrazine/ HMX Propellant Mixture                             |
| 353 | hydrazine-admixtures and lab chem                             |
| 354 | Hydrazinefluoride (N <sub>2</sub> F <sub>4</sub> ) ICC3AA2265 |
| 355 | Hydrazines  |
| 356 | Hydrocarbon   |
| 357 | Hydrocarbons  |
| 358 | hydrocarbons EB-40  |
| 359 | Hydrochloric Acid   |
| 360 | Hydrofluoric Acid   |
| 361 | hydrogen  |
| 362 | hydrogen argon  |
| 363 | hydrogen bromide  |
| 364 | hydrogen chloride/helium                                      |
| 365 | Hydrogen cylinders (large)                                    |
| 366 | Hydrogen cylinders (small)                                    |
| 367 | Hydrogen fluoride   |



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|     |   |
|-----|---|
| 368 | Hydrogen fluoride RC4463  |
| 369 | Hydrogen gas  |
| 370 | hydrogen silfide  |
| 371 | Hydrogen Sulfide  |
| 372 | Hydrogen sulfur   |
| 373 | Hydrolic Oil  |
| 374 | hydroxy terminated polybutadiene  |
| 375 | hydroxy terminated polybytadiene  |
| 376 | Hypergol igniters   |
| 377 | hypergol TEA  |
| 378 | hypergol TEA/TEB/RP-1 residue   |
| 379 | Hypergol TEB  |
| 380 | Hyrazine  |
| 381 | Hyrazine 75%, Ethanol 21%, water 4%   |
| 382 | Hyrazine and admixtures   |
| 383 | Hyrdrazine  |
| 384 | Igniter Class C   |
| 385 | Igniter ST4530001 RE001   |
| 386 | Igniters  |
| 387 | Ignitors  |
| 388 | Inhibited-Red Fuming Nitric Acid  |
| 389 | Initiator NA5-26528-3   |
| 390 | Initiator R5950   |
| 391 | IRFNA   |
| 392 | IRFNA (obsolete spec)   |
| 393 | IRFNA, NTO  |
| 394 | iron carbonyls + caps. 3-1 pt. cans   |
| 395 | Isopropy alcohol  |
| 396 | isopropyl alchohol  |
| 397 | Isopropyl alcohol   |
| 398 | Isopropyl Alcohol/NTO mixture   |
| 399 | Isopropyl Butane  |
| 400 | JP-4  |
| 401 | JP-4 (kersosene base)   |
| 402 | K bottle  |
| 403 | K-Bottle unkown (liq gas)   |
| 404 | K-Bottle unkown empty   |
| 405 | KClO <sub>4</sub> , Ap, ZrH <sub>2</sub> 60%; NC, NG 40%. Acetone, etoh, etac |
| 406 | Kerosene  |
| 407 | Ketones   |
| 408 | Lab chemicals and/or fuel samples   |
| 409 | Lab cylinder  |
| 410 | lab cylinders unknown   |
| 411 | Lab silver cylinder   |
| 412 | Lab, Samples (Fuels)  |
| 413 | Lachrymatory  |
| 414 | Lackrymatory  |

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|     |  |
|-----|--|
| 415 | Lacquer Dilute   |
| 416 | Lance grains   |
| 417 | Laquer Thinner   |
| 418 | large TEB bottle   |
| 419 | Leaded Paint (189 gallons)                                 |
| 420 | Leaded paints  |
| 421 | Licthih  |
| 422 | LiH  |
| 423 | liquid waste nitrate esters                                |
| 424 | liquified petroleum gas                                    |
| 425 | Lithium  |
| 426 | Lithium chloride   |
| 427 | Lithium hybrid   |
| 428 | Lithium hydride  |
| 429 | Lithium metal  |
| 430 | Lube Oil, Contaminated                                     |
| 431 | Lube oil-heavy   |
| 432 | Lube oil-light   |
| 433 | magnesium  |
| 434 | magnesium powder   |
| 435 | Magnesium/telfon flare mix                                 |
| 436 | magnisium  |
| 437 | Mathane  |
| 438 | MBDA residues  |
| 439 | Me Allyl PH  |
| 440 | Me Isopropyl phosphine                                     |
| 441 | Me N-Propylphosphine                                       |
| 442 | Me2ETp   |
| 443 | Me2PH  |
| 444 | Me4P2  |
| 445 | Me-D3 Iodide   |
| 446 | MeEtPBH2   |
| 447 | MePH   |
| 448 | mercuric oxide   |
| 449 | mercury  |
| 450 | Mercury salts  |
| 451 | metal additives (aluminum)                                 |
| 452 | metal and/or metal oxides (Al, Bacon, Zirconium, magnesium |
| 453 | metal oxides   |
| 454 | metals   |
| 455 | Metals Alkali  |
| 456 | Methane  |
| 457 | Methane cylinders (large)                                  |
| 458 | methane ethane   |
| 459 | Methanol   |
| 460 | Methanol-benzene curric chloride-AIO3                      |
| 461 | Methanol-Cupric Chloride-Aluminum                          |

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|     |   |
|-----|---|
| 462 | Methanol-Cupric Chloride-Aluminum Chloride Mixture          |
| 463 | Methanol-HCL  |
| 464 | methyl acetylyne propadiene                                 |
| 465 | Methyl alchohol   |
| 466 | Methyl alcohol  |
| 467 | Methyl-borate methanol                                      |
| 468 | Methyl-B-Trimethyl Borazine                                 |
| 469 | methylene chloride  |
| 470 | methyl-hydrazine  |
| 471 | Metriol-tri-nitrate   |
| 472 | MHF-5   |
| 473 | MHF-5 Samples   |
| 474 | MIPB  |
| 475 | MIPP  |
| 476 | Misc Acids  |
| 477 | Misc ampoules from VanOwen. See Appendix A tab.             |
| 478 | misc binders (FEFO/R-18, NG/R-18, TMETN/R-18, PGDNFE/EA-AA) |
| 479 | misc lab chemicals  |
| 480 | misc samples of AB-1, QMB-3, and MBDA                       |
| 481 | misc small vials of TNM                                     |
| 482 | misc solid propellant scraps                                |
| 483 | Misc solid propellant waste                                 |
| 484 | Misc. Contaminated fuels                                    |
| 485 | misc. contaminated fuels.                                   |
| 486 | Misc. flammables  |
| 487 | misc. junk  |
| 488 | misc. lab chemicals   |
| 489 | Misc. Lab Chemicals (Various Size & Type)                   |
| 490 | Misc. phenols   |
| 491 | Misc. small cylinders                                       |
| 492 | Misc. Waste chem  |
| 493 | mix oxides  |
| 494 | Mixed oxides  |
| 495 | Mixed TABH/HMX (dry)  |
| 496 | Mixed TABN/HMX (dry)  |
| 497 | MMH   |
| 498 | MMH 70 ml + Freon TF  |
| 499 | Mono-Methyl-Hydrazine                                       |
| 500 | Muriatic  |
| 501 | Muriatic acid   |
| 502 | Muriatic Acids  |
| 503 | Mydyne  |
| 504 | Mydyne (drain back)   |
| 505 | N butyl alcohol   |
| 506 | N2 gas generator pellets (NaN3 based)                       |
| 507 | N2H4 + cap;   |
| 508 | NAK   |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |   |
|-----|---|
| 509 | NAKA B359 slurry: Acetone/ethanol/isopropanol/NG/TMETN/DANPE. Trace amounts Al, Mg, Cr, Si.                                     |
| 510 | NAKA B372 slurry: KCl4/AP.ZrH2 60%, NC/NG 40%.  |
| 511 | NAKA propellants  |
| 512 | NAKA propellents  |
| 513 | NAKA pyrophoric waste/wipes   |
| 514 | NAKA scraps/wipes   |
| 515 | NAKA slurry   |
| 516 | NAKA solid  |
| 517 | NAKA waste-pyro scrap, Kim wipes  |
| 518 | Napalm  |
| 519 | Naphthalene   |
| 520 | Naphthalene   |
| 521 | NC  |
| 522 | NC RDX etc  |
| 523 | NC, NG, R-18, RDPA, HO1, ZrH2, Si, AP, GAP, GAPA, N-100, KCLO3, NaHCO3, S, Yellow dye, CAPEe, plastic containers.               |
| 524 | NC/CAB/DANPE/DINA/CMP 25%, RDS 75%. PEG/NG 50%, RDX/Al2O3/Cr2O3 50%.<br>GAP/TMETN/GAPA/TEGDN/DANPE 50%, Atlasol yellow dye 50%. |
| 525 | N-Dimethyl-B-Trimethyl Borazine   |
| 526 | Neutralized Acid  |
| 527 | Nitrate Agar  |
| 528 | Nitric & Hydrofluoric Acid Mixture  |
| 529 | Nitric Acid   |
| 530 | Nitric and Hydrofluoric Acid Mixture  |
| 531 | Nitric oxide  |
| 532 | nitro compounds in 30% methylene chloride solution  |
| 533 | Nitrocellulose  |
| 534 | nitrocellulose  |
| 535 | nitrocellulose RDX  |
| 536 | nitrocellulose,   |
| 537 | Nitroexthane  |
| 538 | nitrogen tetroxide  |
| 539 | Nitrogen Tetroxide (contaminated)   |
| 540 | nitrogen trifluoride  |
| 541 | Nitrogen trifluoside  |
| 542 | Nitrogentetroxide   |
| 543 | nitroglycerin   |
| 544 | nitroglycerine  |
| 545 | Nitroguandine   |
| 546 | nitroglycerin   |
| 547 | nitromethane poured onto sawdust: 1-500 gram bottle   |
| 548 | nitromethane poured onto sawdust: 2-500 gram bottle   |
| 549 | Nitrostarch   |
| 550 | Nitrosyl chloride   |
| 551 | nitrous oxide   |
| 552 | NONA  |
| 553 | notrocullulose  |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |  |
|-----|--|
| 554 | NTO  |
| 555 | NTO cont. hardware   |
| 556 | NTO containing hardware  |
| 557 | NTO cylinders  |
| 558 | NTO/ Alcohol mixture   |
| 559 | N-trimethyl borazole   |
| 560 | N-trimethyl borazole   |
| 561 | N-Trimethyl-B-Methyl borazine  |
| 562 | Oil  |
| 563 | Oil Waste  |
| 564 | Oil, waste   |
| 565 | oil/ oil waste   |
| 566 | organic binder (HTPB)  |
| 567 | oxidizer dust  |
| 568 | oxidizers  |
| 569 | oxidizers (ammonium nitrate)   |
| 570 | oxygen   |
| 571 | Oxygen + nitrogen  |
| 572 | Oxygen cylinders   |
| 573 | Oxygen cylinders (MT)  |
| 574 | Oxygen Difluoride  |
| 575 | Oxygen Difluoride Gas  |
| 576 | Oxygen difluorine  |
| 577 | Oxygen Gas   |
| 578 | oxygen/nitrogen  |
| 579 | Oxygen-nitrogen  |
| 580 | Paint  |
| 581 | paint thinner  |
| 582 | Paint thinner  |
| 583 | paper  |
| 584 | paper towels   |
| 585 | paper towels contaminated with binder  |
| 586 | paper towels contaminated with small amounts of oxidizer   |
| 587 | paper towels contaminated with small amounts of plasticizers   |
| 588 | paper, plastic containers  |
| 589 | Para Xylene  |
| 590 | partially decomposed metallic materials all empty  |
| 591 | PCBs   |
| 592 | PEG/NG 50%, RDX/Al <sub>2</sub> O <sub>3</sub> /Cr <sub>2</sub> O <sub>3</sub> 50%, paper towels, plastic containers |
| 593 | PEG/NG 50%, RDX/MgO 50%, paper towels, plastic containers  |
| 594 | pentaborane  |
| 595 | Pentaborane + unknown  |
| 596 | pentaborane. 2 ampoules  |
| 597 | Pentaborane & Acetone  |
| 598 | Pentaborane & RP-1   |
| 599 | perchlorate  |
| 600 | Perchloric Acid  |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |   |
|-----|---|
| 601 | perchloroethylene   |
| 602 | Permangante Mix   |
| 603 | PGDNE   |
| 604 | PGDN-FEFO   |
| 605 | PH  |
| 606 | PH2   |
| 607 | PH2(CH2)3PH2  |
| 608 | PH2(CH2)4PH2  |
| 609 | phenols   |
| 610 | Phenyl phosphine  |
| 611 | Phosphoric Acid   |
| 612 | phosphorous   |
| 613 | phosphorous oxychloride   |
| 614 | Phosphorus  |
| 615 | Phosphorus Oxychloride  |
| 616 | Pipe residue  |
| 617 | Pipernal  |
| 618 | plasticizer (triethyleneglycol dinitrate, TEGDN)  |
| 619 | plasticizers  |
| 620 | Plastisol Nitrocellulose  |
| 621 | Plating Solution  |
| 622 | PNC   |
| 623 | Polymer   |
| 624 | Polymer soap oil  |
| 625 | Polymer Waste   |
| 626 | polymer/polymer waste   |
| 627 | potassium   |
| 628 | Potassium Bromide   |
| 629 | potassium cyanide   |
| 630 | potassium perchlorate   |
| 631 | Potassium permangante   |
| 632 | Potasssium Cyanide  |
| 633 | PPNF-Nitrocellulose   |
| 634 | Propane   |
| 635 | propane/air   |
| 636 | Propellant hybrid   |
| 637 | propellant scraps, wipes  |
| 638 | Propellant, solid   |
| 639 | Propellant, solids  |
| 640 | Propellants   |
| 641 | propellants and Pyrotechnics  |
| 642 | PS5555, GAPA, N-100, AP, GAP, NAHCO3, S, KCCO4, yellow dye, RDX, CMP, Si, R-45, DDI, Cu?, DANPE, paper, plastic containers. |
| 643 | Pyradine  |
| 644 | pyridine  |
| 645 | Pyroforic liquids   |
| 646 | Pyrophoric Aluminum   |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |   |
|-----|---|
| 647 | Pyrophoric Igniter  |
| 648 | Pyrophoric Ingiter  |
| 649 | Pyrotechnic igniter   |
| 650 | Pyrotechnic Ingiter   |
| 651 | pyrotechnic misc. types   |
| 652 | Quarz Vool  |
| 653 | R-45, DD1, AP, CuO2O2, Al, si, CMP, GAP, N-100, GAPA, KClO4, ATLASOL yellow dye, KClO3, NaHCO3, S, paper, plastic containers  |
| 654 | R-45, DD1, GAP, GAPA, N-100, R-18, HMD1, NC, NG, PS555, DANPE, AP, KClO4, KClO3, RDX, NaHCO3, S, Si, PMP, Al, CuO2O2  |
| 655 | R-45, DD1, IDP, s, KClO3, ATLASOL yellow, NC, ba(NO3)2, NaHCO3, GAP, N-100, AP, TEMETN, MNA, C, TPB, R-18, HMD1, Mo, B, DD1, I2O5, DNPE, RDX, CMP, ATEC, DATH                                   |
| 656 | R-45, DDi, AP, CuO2O2, Al, Si, GAP, N-100, yellow dye, GAPA, TMETN, CMP, DANPE, ethyl alcohol, acetone, toluene   |
| 657 | R-45, DDi, AP, CuO2O2, Al, Si, GAP, N-100, yellow dye, GAPA, TMETN, CMP, DANPE, paper towels, plastic containers  |
| 658 | Ram set charges   |
| 659 | RDX   |
| 660 | RDX-Nitrocellulose  |
| 661 | Red Fume Nitric Acid  |
| 662 | Red Fuming HNO3   |
| 663 | Red Fuming Nitric Acid  |
| 664 | Redfume nitric acid   |
| 665 | resin   |
| 666 | REX-17  |
| 667 | Rifle shells  |
| 668 | RJ-1  |
| 669 | RJ-1 fuel   |
| 670 | rocket fuel   |
| 671 | Rosin Flux  |
| 672 | RP-1  |
| 673 | RP-1 (kerosene base)  |
| 674 | RP-1, Contaminated  |
| 675 | RP-1/TEA TEB  |
| 676 | rubber binder (HTPB-hydroxy terminated polybutadiene)   |
| 677 | Scrap gun propellant  |
| 678 | scrap solid propellant  |
| 679 | shop waste  |
| 680 | Silicate of soda  |
| 681 | SKL-4-DXE   |
| 682 | Slurry: CAB, NC, CMP, BNPA/I, TMETN, DEGDN, TEGDN, NG, ED,PVAC, TEGDA, PEG, R-45, GAP, GAPA, ATEC, NDPA, RDX, AP, KP, ZrH2, TAGN, K2SO4, C, CuO2O2, Al, Mg, Cr, B, actone, toluene, ETOH, ETAC. |
| 683 | small B, GM cylinders   |
| 684 | small cylinders   |
| 685 | Small cylinders (MT)  |
| 686 | small GM cylinders  |
| 687 | small green CO2   |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |  |
|-----|--|
| 688 | small green smoke pellet   |
| 689 | Small unknown cylinders  |
| 690 | Small unknown cylinders (MT)   |
| 691 | small white canister 30psi N2  |
| 692 | Smoke flares   |
| 693 | Smoke grenade mat.   |
| 694 | Smoke mix  |
| 695 | Smoke powder   |
| 696 | Soda ash   |
| 697 | sodium   |
| 698 | sodium arsenite  |
| 699 | sodium azide   |
| 700 | Sodium fluoride  |
| 701 | Sodium Hydroxide   |
| 702 | sodium nitrate   |
| 703 | Sodium nitrite   |
| 704 | sodium phosphate   |
| 705 | Sodium Waste   |
| 706 | Sodium, waste  |
| 707 | Soldering Flux   |
| 708 | solid gun propellant scrap   |
| 709 | solid oxidizers (hexogen)  |
| 710 | solid propellant scrap   |
| 711 | solid propellant scraps plus misc ampoules from VanOwen. See Appendix A tab. |
| 712 | Solid propellants  |
| 713 | Solid Propellants & Heptane  |
| 714 | Solids, unknown  |
| 715 | Solvent  |
| 716 | Solvent waste  |
| 717 | solvent/solvent waste  |
| 718 | solvents   |
| 719 | spent fuels  |
| 720 | spent halogenated solvents   |
| 721 | squib 101513   |
| 722 | Squib 19-403189  |
| 723 | Squib valve 19-403211, P/N 1943  |
| 724 | stenciled fluorine   |
| 725 | stoddard solvent   |
| 726 | strong oxidizers   |
| 727 | Sulfur dioxide   |
| 728 | Sulfuric Acid  |
| 729 | Sulfuric trioxide  |
| 730 | sulfur dioxide   |
| 731 | Sulphuric Acid   |
| 732 | TABN   |
| 733 | TAE  |
| 734 | TAGN   |



**TABLE I**

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 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |   |
|-----|---|
| 735 | TAGN in EPA                                   |
| 736 | TAGN in IPA                                   |
| 737 | TAMA  |
| 738 | TATB  |
| 739 | t-BuBCl <sub>2</sub>                          |
| 740 | TCE   |
| 741 | TEA   |
| 742 | TEA and TEAB igniters                         |
| 743 | TEA B   |
| 744 | TEA cylinders                                 |
| 745 | TEA, RP-1                                     |
| 746 | TEA/TEB                                       |
| 747 | TEA/TEB drums with RP-1                       |
| 748 | TEA/TEB/RP-1                                  |
| 749 | TEA/TEB/RP-1 + cap                            |
| 750 | TEA/TEB/RP-1 + cap. 4-1 gallon cans           |
| 751 | TEAB  |
| 752 | TEAB igniters                                 |
| 753 | TEAB, RP-1                                    |
| 754 | TEAB+RP-1                                     |
| 755 | TEB   |
| 756 | TEB canister                                  |
| 757 | TEB in canister                               |
| 758 | TEB+TEAB                                      |
| 759 | TEB+TEAB igniters                             |
| 760 | Tetra isobutylene                             |
| 761 | Tetrafluorane                                 |
| 762 | tetrafluorohydrazine                          |
| 763 | Tetraisobutylene                              |
| 764 | Tetramethylene phosphine                      |
| 765 | Thiophosgene Cl <sub>2</sub> CS               |
| 766 | Titanium                                      |
| 767 | titanium tetrachloride                        |
| 768 | titanium trichloride                          |
| 769 | TMETN/GAP 30 %, AP, CP, C 70%. Mix 3-22-1,2,3 |
| 770 | TMETN/GAP 30 %, AP, CP, C 70%. Mix 3-22-1     |
| 771 | TMETN/GAP 30 %, AP, CP, C 70%. Mix 3-22-2     |
| 772 | TMETN/GAP 30 %, AP, CP, C 70%. Mix 3-22-3     |
| 773 | TNN   |
| 774 | TNT   |
| 775 | toluene                                       |
| 776 | Toxic gases                                   |
| 777 | triaminoguanidine nitrate                     |
| 778 | Tributylamine                                 |
| 779 | Tributylborane                                |
| 780 | Trichloroethene                               |
| 781 | Trichloroethylene                             |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |   |
|-----|---|
| 782 | Triethylboron   |
| 783 | Triethyl Aluminium  |
| 784 | Triethyl Aluminium Borane   |
| 785 | Triethyl Aluminum   |
| 786 | Triethyl Aluminum Borane  |
| 787 | Triethylaluminum  |
| 788 | triethylaluminum/triethylboran cylinder (NEAT, TEA/TEB 14 lb)       |
| 789 | Triethylaluminum/triethylboron                                      |
| 790 | Triethylamine   |
| 791 | Triethylborane  |
| 792 | Triethylboron   |
| 793 | triethylboron (PIG) cylinder (TEB volume 14lb; NEAT, TEA/TEB 14 lb) |
| 794 | triethylboron cylinder (TEB volume 69.5 lbs)                        |
| 795 | Triethylboron-RPI Mixture   |
| 796 | triethyleneglycol dinitrate   |
| 797 | Triethylene-Glycol-Dinitrate  |
| 798 | trietyleneglycol dinitrate  |
| 799 | Trifluoroacetic anhydride   |
| 800 | Trigger Assembly 1617-170-01  |
| 801 | Trigger Assembly ST2840002 RES005                                   |
| 802 | Trigger Assembly ST2840002 RES007                                   |
| 803 | trimethioltrinitrate  |
| 804 | Trimethyl borane  |
| 805 | Trimethyl boron   |
| 806 | Trimethyl-borate-CH <sub>3</sub> OH                                 |
| 807 | Trimethyl-Borate-Methanol   |
| 808 | trimethylolethane trinitrate.                                       |
| 809 | trinitramine  |
| 810 | Tri-o-cresyl borate   |
| 811 | TTTT  |
| 812 | Turbine spinner grains  |
| 813 | TVOPA   |
| 814 | UDMH  |
| 815 | UDMH +cap   |
| 816 | UDMH 90%, water 10%   |
| 817 | UDMH and water (drain back)   |
| 818 | Uknown empty  |
| 819 | Unidentiifed Fuels  |
| 820 | unknown   |
| 821 | Unknown (AA2015 propane/air)  |
| 822 | Unknown (large cylinder)  |
| 823 | unknown ampoule   |
| 824 | Unknown cylinder  |
| 825 | Unknown cylinder (MT)   |
| 826 | Unknown cylinders   |
| 827 | unknown quantity/contents   |
| 828 | unknown quantity/contents. "Army"                                   |

**TABLE I**

LIST OF DOCUMENTED WASTE DISPOSED OF AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

|     |                                       |
|-----|---------------------------------------|
| 829 | unknown quantity/contents. Compound A |
| 830 | Unknown RP C4-9208                    |
| 831 | Unknown RP4-920                       |
| 832 | unknown substances                    |
| 833 | Unknown type/quantity                 |
| 834 | unknown vial                          |
| 835 | Unkown cylidners                      |
| 836 | Unkown Cylinder                       |
| 837 | Unsymmetrical-Dimethyl-Hydrazine      |
| 838 | US Navy MP0607                        |
| 839 | Valve Assembly NA5-260180-1D          |
| 840 | Versamid 140                          |
| 841 | Very small unknown cylinders (MT)     |
| 842 | VM-P Naptha                           |
| 843 | waste acid                            |
| 844 | Waste Oil                             |
| 845 | Waste Polymers                        |
| 846 | Water purifier-polymetrics 7145631520 |
| 847 | water with <5% binders                |
| 848 | White Fuming Nitric Acid              |
| 849 | White K bottle                        |
| 850 | wood                                  |
| 851 | xylene                                |
| 852 | Zero gas                              |
| 853 | zirconium hydride powder              |
| 854 | zirconium nitrocellulose              |
| 855 | zirconium powder                      |

**TABLE II**

CHEMICALS DETECTED IN ENVIRONMENTAL SAMPLES AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

| ANALYSIS GROUP | ANALYTE                             | CAS NUMBER |
|----------------|-------------------------------------|------------|
| ANIONS         | Bicarbonate (as CaCO <sub>3</sub> ) |            |
| ANIONS         | Carbonate (as CaCO <sub>3</sub> )   |            |
| ANIONS         | Chloride                            |            |
| ANIONS         | Fluoride                            |            |
| ANIONS         | Nitrate                             |            |
| ANIONS         | Sulfate                             |            |
| GEN MIN        | Cation/Anion Balance (%)            |            |
| GEN MIN        | Total Dissolved Solids              |            |
| VOC            | 1,1,1-Trichloroethane               | 71-55-6    |
| VOC            | 1,1,2,2-Tetrachloroethane           | 79-34-5    |
| VOC            | 1,1,2-Trichloroethane               | 79-00-5    |
| VOC            | 1,1-Dichloroethane                  | 75-34-3    |
| VOC            | 1,1-Dichloroethene                  | 75-35-4    |
| VOC            | 1,2,4-Trichlorobenzene              | 120-82-1   |
| VOC            | 1,2-Dibromo-3-chloropropane (DBCP)  | 96-12-8    |
| VOC            | 1,2-Dibromoethane                   | 106-93-4   |
| VOC            | 1,2-Dichlorobenzene                 | 95-50-1    |
| VOC            | 1,2-Dichloroethane                  | 107-06-2   |
| VOC            | 1,2-Dichloroethene                  |            |
| VOC            | 1,2-Dichloropropane                 | 78-87-5    |
| VOC            | 1,3-Dichlorobenzene                 | 541-73-1   |
| VOC            | 1,4-Dichlorobenzene                 | 106-46-7   |
| VOC            | 2-Butanone                          | 78-93-3    |
| VOC            | 2-Hexanone                          | 591-78-6   |
| VOC            | 4-Methyl-2-pentanone                | 108-10-1   |
| VOC            | Acetone                             | 67-64-1    |
| VOC            | Benzene                             | 71-43-2    |
| VOC            | Bromodichloromethane                | 75-27-4    |
| VOC            | Bromoform                           | 75-25-2    |
| VOC            | Bromomethane                        | 74-83-9    |
| VOC            | Carbon disulfide                    | 75-15-0    |
| VOC            | Carbon tetrachloride                | 56-23-5    |
| VOC            | Chlorobenzene                       | 108-90-7   |
| VOC            | Chloroethane                        | 75-00-3    |
| VOC            | Chloroform                          | 67-66-3    |
| VOC            | Chloromethane                       | 74-87-3    |
| VOC            | cis-1,2-Dichloroethene              | 156-59-2   |
| VOC            | cis-1,3-Dichloropropene             | 10061-01-5 |
| VOC            | Cyclohexane                         | 110-82-7   |
| VOC            | Dibromochloromethane                | 124-48-1   |
| VOC            | 1,1-Dichloroethane                  |            |
| VOC            | trans-1,2-Dichloroethene            |            |
| VOC            | Dichlorodifluoromethane (CFC-12)    | 75-71-8    |
| VOC            | Dichloromethane                     |            |
| VOC            | Ethylbenzene                        | 100-41-4   |
| VOC            | Isopropanol                         |            |
| VOC            | Isopropylbenzene                    | 98-82-8    |
| VOC            | Methyl acetate                      | 79-20-9    |

**TABLE II**

CHEMICALS DETECTED IN ENVIRONMENTAL SAMPLES AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

| ANALYSIS GROUP | ANALYTE   | CAS NUMBER |
|----------------|---|------------|
| VOC            | Methyl cyclohexane  | 108-87-2   |
| VOC            | 4-Methyl-2-pentanone  |            |
| VOC            | Methyl tert butyl ether (MTBE)                              | 1634-04-4  |
| VOC            | Methylene chloride  | 75-09-2    |
| VOC            | Styrene   | 100-42-5   |
| VOC            | Tetrachloroethene   | 127-18-4   |
| VOC            | Toluene   | 108-88-3   |
| VOC            | trans-1,3-Dichloropropene                                   | 10061-02-6 |
| VOC            | Trichloroethane   |            |
| VOC            | Trichloroethene   | 79-01-6    |
| VOC            | Trichlorofluoromethane (CFC-11)                             | 75-69-4    |
| VOC            | 1,1,2-Trichlorotrifluoroethane                              |            |
| VOC            | Trifluorotrchloroethane (Freon 113)                         | 76-13-1    |
| VOC            | Vinyl chloride  | 75-01-4    |
| VOC            | 1,4-Dioxane   |            |
| VOC            | Xylenes, Total  |            |
| SVOC           | 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | 108-60-1   |
| SVOC           | 2,4,5-Trichlorophenol                                       | 95-95-4    |
| SVOC           | 2,4,6-Trichlorophenol                                       | 88-06-2    |
| SVOC           | 2,4-Dichlorophenol  | 120-83-2   |
| SVOC           | 2,4-Dimethylphenol  | 105-67-9   |
| SVOC           | 2,4-Dinitrophenol   | 51-28-5    |
| SVOC           | 2,4-Dinitrotoluene  | 121-14-2   |
| SVOC           | 2,6-Dinitrotoluene  | 606-20-2   |
| SVOC           | 2-Chloronaphthalene   | 91-58-7    |
| SVOC           | 2-Chlorophenol  | 95-57-8    |
| SVOC           | 2-Methylnaphthalene   | 91-57-6    |
| SVOC           | 2-Methylphenol  | 95-48-7    |
| SVOC           | 2-Nitroaniline  | 88-74-4    |
| SVOC           | 2-Nitrophenol   | 88-75-5    |
| SVOC           | 4-Nitrophenol   |            |
| SVOC           | 3,3'-Dichlorobenzidine                                      | 91-94-1    |
| SVOC           | 3-Nitroaniline  | 99-09-2    |
| SVOC           | 4,6-Dinitro-2-methylphenol                                  | 534-52-1   |
| SVOC           | 4-Bromophenyl phenyl ether                                  | 101-55-3   |
| SVOC           | 2-Bromophenol   |            |
| SVOC           | 4-Chloro-3-methylphenol                                     | 59-50-7    |
| SVOC           | 4-Chloroaniline   | 106-47-8   |
| SVOC           | 4-Chlorophenyl phenyl ether                                 | 7005-72-3  |
| SVOC           | 4-Methylphenol  | 106-44-5   |
| SVOC           | 4-Nitroaniline  | 100-01-6   |
| SVOC           | 4-Nitrophenol   | 100-02-7   |
| SVOC           | Acenaphthene  | 83-32-9    |
| SVOC           | Acenaphthylene  | 208-96-8   |
| SVOC           | Acetophenone  | 98-86-2    |
| SVOC           | Anthracene  | 120-12-7   |
| SVOC           | Atrazine  | 1912-24-9  |
| SVOC           | Benzaldehyde  | 100-52-7   |

**TABLE II**

CHEMICALS DETECTED IN ENVIRONMENTAL SAMPLES AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

| ANALYSIS GROUP | ANALYTE                    | CAS NUMBER |
|----------------|----------------------------|------------|
| SVOC           | Benzo(a)anthracene         | 56-55-3    |
| SVOC           | Benzo(a)pyrene             | 50-32-8    |
| SVOC           | Benzo(b)fluoranthene       | 205-99-2   |
| SVOC           | Benzo(g,h,i)perylene       | 191-24-2   |
| SVOC           | Benzo(k)fluoranthene       | 207-08-9   |
| SVOC           | Biphenyl                   | 92-52-4    |
| SVOC           | bis(2-Chloroethoxy)methane | 111-91-1   |
| SVOC           | bis(2-Chloroethyl)ether    | 111-44-4   |
| SVOC           | bis(2-Ethylhexyl)phthalate | 117-81-7   |
| SVOC           | Butyl benzylphthalate      | 85-68-7    |
| SVOC           | Butoxycellosolve           |            |
| SVOC           | Caprolactam                | 105-60-2   |
| SVOC           | Carbazole                  | 86-74-8    |
| SVOC           | 2-Chlorophenol             |            |
| SVOC           | Chrysene                   | 218-01-9   |
| SVOC           | Di-n-butylphthalate        | 84-74-2    |
| SVOC           | Di-n-octyl phthalate       | 117-84-0   |
| SVOC           | Dibenz(a,h)anthracene      | 53-70-3    |
| SVOC           | Dibenzofuran               | 132-64-9   |
| SVOC           | Diethyl phthalate          | 84-66-2    |
| SVOC           | 2,4-Dimethylphenol         |            |
| SVOC           | Dimethyl phthalate         | 131-11-3   |
| SVOC           | Fluoranthene               | 206-44-0   |
| SVOC           | Fluorene                   | 86-73-7    |
| SVOC           | Hexachlorobenzene          | 118-74-1   |
| SVOC           | Hexachlorobutadiene        | 87-68-3    |
| SVOC           | Hexachlorocyclopentadiene  | 77-47-4    |
| SVOC           | Hexachloroethane           | 67-72-1    |
| SVOC           | Indeno(1,2,3-cd)pyrene     | 193-39-5   |
| SVOC           | Isophorone                 | 78-59-1    |
| SVOC           | N-Nitrosodi-n-propylamine  | 621-64-7   |
| SVOC           | N-Nitrosodiphenylamine     | 86-30-6    |
| SVOC           | Naphthalene                | 91-20-3    |
| SVOC           | Nitrobenzene               | 98-95-3    |
| SVOC           | Pentachlorophenol          | 87-86-5    |
| SVOC           | Phenanthrene               | 85-01-8    |
| SVOC           | Phenol                     | 108-95-2   |
| SVOC           | Pyrene                     | 129-00-0   |
| SVOC           | Tetrachlorophenol          |            |
| SVOC           | 1,2,6-Tribromophenol       |            |
| PCB            | Aroclor-1016 (PCB-1016)    | 12674-11-2 |
| PCB            | Aroclor-1221 (PCB-1221)    | 11104-28-2 |
| PCB            | Aroclor-1232 (PCB-1232)    | 11141-16-5 |
| PCB            | Aroclor-1242 (PCB-1242)    | 53469-21-9 |
| PCB            | Aroclor-1248 (PCB-1248)    | 12672-29-6 |
| PCB            | Aroclor-1254 (PCB-1254)    | 11097-69-1 |
| PCB            | Aroclor-1260 (PCB-1260)    | 11096-82-5 |
| METAL          | Aluminum                   | 7429-90-5  |

**TABLE II**

CHEMICALS DETECTED IN ENVIRONMENTAL SAMPLES AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

| ANALYSIS GROUP         | ANALYTE                        | CAS NUMBER |
|------------------------|--------------------------------|------------|
| METAL                  | Antimony                       | 7440-36-0  |
| METAL                  | Arsenic                        | 7440-38-2  |
| METAL                  | Barium                         | 7440-39-3  |
| METAL                  | Beryllium                      | 7440-41-7  |
| METAL                  | Boron                          |            |
| METAL                  | Cadmium                        | 7440-43-9  |
| METAL                  | Calcium                        | 7440-70-2  |
| METAL                  | Chromium Total                 | 7440-47-3  |
| METAL                  | Chromium, Hexavalent           |            |
| METAL                  | Cobalt                         | 7440-48-4  |
| METAL                  | Copper                         | 7440-50-8  |
| METAL                  | Iron                           | 7439-89-6  |
| METAL                  | Lead                           | 7439-92-1  |
| METAL                  | Lithium                        |            |
| METAL                  | Magnesium                      | 7439-95-4  |
| METAL                  | Manganese                      | 7439-96-5  |
| METAL                  | Mercury                        | 7439-97-6  |
| METAL                  | Molybdenum                     |            |
| METAL                  | Nickel                         | 7440-02-0  |
| METAL                  | Phosphorus                     |            |
| METAL                  | Potassium                      | 7440-09-7  |
| METAL                  | Selenium                       | 7782-49-2  |
| METAL                  | Silica                         |            |
| METAL                  | Silicon (as SiO <sub>2</sub> ) | 7440-21-8  |
| METAL                  | Silver                         | 7440-22-4  |
| METAL                  | Sodium                         | 7440-23-5  |
| METAL                  | Strontium                      |            |
| METAL                  | Thallium                       | 7440-28-0  |
| METAL                  | Tin                            |            |
| METAL                  | Titanium                       |            |
| METAL                  | Vanadium                       | 7440-62-2  |
| METAL                  | Zinc                           | 7440-66-6  |
| METAL                  | Cyanide                        |            |
| Semiquantitative (TIC) | Unknown Akipate                |            |
| Semiquantitative (TIC) | Molecular Sulfur               |            |
| Semiquantitative (TIC) | Unknown Hydrocarbon            |            |
| TPH                    | C6-C12 (Gasoline)              |            |
| TPH                    | C07-C24 (Heavy Oil)            |            |
| TPH                    | C07-C28 (Diesel Range)         |            |
| TPH                    | C10-C24 (Diesel Range)         |            |
| TPH                    | C12-C28                        |            |
| TPH                    | C16-C28                        |            |
| TPH                    | Diesel                         |            |
| PERCHLORATE            | Perchlorate                    |            |
| pH                     | pH                             |            |
| HYDRAZINE              | Hydrazine                      |            |
| MERCAPTANS             | Mercaptans                     |            |
| DIOXIN                 | 1,2,3,4,6,7,8-HpCDD            |            |

**TABLE II**

CHEMICALS DETECTED IN ENVIRONMENTAL SAMPLES AT AREA I BURN PIT  
 AIBP SWMU 4.8 RFI WORK PLAN  
 BOEING SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA

| ANALYSIS GROUP | ANALYTE             | CAS NUMBER |
|----------------|---------------------|------------|
| DIOXIN         | 1,2,3,4,6,7,8-HpCDF |            |
| DIOXIN         | 1,2,3,4,7,8,9-HpCDF |            |
| DIOXIN         | 1,2,3,4,7,8-HxCDD   |            |
| DIOXIN         | 1,2,3,4,7,8-HxCDF   |            |
| DIOXIN         | 1,2,3,6,7,8-HxCDD   |            |
| DIOXIN         | 1,2,3,6,7,8-HxCDF   |            |
| DIOXIN         | 1,2,3,7,8,9-HxCDD   |            |
| DIOXIN         | 1,2,3,7,8,9-HxCDF   |            |
| DIOXIN         | 1,2,3,7,8-PeCDD     |            |
| DIOXIN         | 1,2,3,7,8-PeCDF     |            |
| DIOXIN         | 2,3,4,6,7,8-HxCDF   |            |
| DIOXIN         | 2,3,4,7,8-PeCDF     |            |
| DIOXIN         | 2,3,7,8-TCDD        |            |
| DIOXIN         | 2,3,7,8-TCDF        |            |
| DIOXIN         | OCDD                |            |
| DIOXIN         | OCDF                |            |
| DIOXIN         | TCDD TEQ (ND = 0)   |            |
| DIOXIN         | Total HpCDD         |            |
| DIOXIN         | Total HpCDF         |            |
| DIOXIN         | Total HxCDD         |            |
| DIOXIN         | Total HxCDF         |            |
| DIOXIN         | Total PeCDD         |            |
| DIOXIN         | Total PeCDF         |            |
| DIOXIN         | Total TCDD          |            |
| DIOXIN         | Total TCDF          |            |



**TABLE III**

AREA I BURN PIT - SWMU 4.8 SUMMARY OF ANALYTICAL METHODS RATIONALE

A1BP - SWMU 4.8 RFI WORK PLAN

BOEING SANTA SUSANA FIELD LABORATORY

VENTURA COUNTY, CALIFORNIA

| Parameter(s) for Analysis  | Analytical Method                                | Rationale  |
|--|--|--|
| Target Compound List Volatile Organic Compounds (TCL VOCs)                                       | EPA Method 8260B                                 | Historical detection of VOCs in groundwater and soils (i.e. Trichloroethene) and documented disposal of waste solvents at the A1BP.  |
| Target Compound List Semi-Volatile Organic Compounds (TCL SVOCs)                                 | EPA Method 8270C                                 | Historical detection of phthalates related to the disposal of plasticizers and the potential for the formation of Products of Incomplete Combustion (PICs) from the burning of wastes that could include polyaromatic hydrocarbons (PAHs) i.e. benzo (a) pyrene. |
| Formaldehyde   | EPA Method 8315A                                 | Historical detection and the documented disposal of formaldehyde in the A1BP.  |
| Polychlorinated dibenzo-p-dioxins and Polychlorinated dibenzo-p-furans (PCDD/PCDFs)              | EPA Method 8290                                  | Historical detection of dioxins/furans in site soils and sediment and the potential for the formation of PICs from the burning of wastes that could include polychlorinated biphenyl (PCBs) compounds  |
| Target Analyte List (TAL) Metals plus tin, titanium, strontium, boron and zirconium              | EPA Method 6010B, 6020                           | Historical detection (i.e. chromium) and the documented disposal of metal containing wastes in the A1BP.   |
| Perchlorate  | EPA Method 314/8321M                             | Historical detection of perchlorate in soil leachate in the A1BP area Outfall.   |
| PCBs   | EPA Method 8082                                  | Documented disposal of PCBs containing wastes in the A1BP.   |
| Nitroso-dimethyl amine (NDMA)  | EPA Method 1625C                                 | The documented disposal of Unsymmetrical Dimethyl Hydrazine (UDMH) in the A1BP area. UDMH rapidly decomposes to NDMA upon contact with soil pore moisture.   |
| Nitroaromatics (Nitrobenzene, Trinitrotoluene (TNT), dinitrotoluene,                             | EPA Method 8330A                                 | The documented use of energetic compounds to detonate waste materials for disposal in the A1BP area.   |
| Total Anions (i.e. chloride, fluoride, sulfate, nitrate and nitrite)                             | EPA Method 300                                   | The documented disposal of reagent grade acids including: Hydrochloric acid (HCl), Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> ), Hydrofluoric acid (HF), and Nitric acid (HNO <sub>3</sub> )  |
| Total Cyanide (CN)   | EPA Method 9012A                                 | Historical detection of CN in soils within the A1BP.   |
| Soil pH Levels   | EPA Method 150.2                                 | The documented disposal of reagent grade acids and bases in the A1BP.  |
| Total Ammonia (NH <sub>3</sub> ), Total Kjeldahl Nitrogen (TKN) and Total Organic Nitrogen (TON) | Std Methods 18 <sup>th</sup> Edition Method 4500 | The documented disposal of organic amines including Tetraethylamine (TEA) and other organic compounds containing forms of nitrogen. (amines, amides and ammonium salts)  |
| Total Petroleum Hydrocarbons (TPH)   | EPA Method 8015                                  | The documented use of petroleum distillates as accelerates for the disposal of wastes in the A1BP.   |

TABLE IV  
SUMMARY OF PROPOSED SAMPLING  
AREA I BURN PIT AREA- SWMU 4.8  
BOEING SANTA SUSANA FIELD LABORATORY  
VENTURA COUNTY, CALIFORNIA

| VENTURA COUNTY, CALIFORNIA                   |  |        |                               |                    |   |   |                   | Extended Suite |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|--|--|--------|-------------------------------|--------------------|---|---|-------------------|----------------|--------------|--------------------|--------|---------|----------------------------|-------------|----------|----|-------------|----|---------------------------|--------------------|---------|------|------|----------------|----------------------|
|  |  |        |                               |                    |   |   |                   | RFI Suite      |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |   |                   | VOCs           | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH | PCBs (HOLD) |    |                           |                    |         |      |      |                |                      |
| Number of Sampling Locations (see Figure 10) | Area (SEE FIGURE 9)  | Matrix | Approximate Number of Samples | Analytical Suite   | Proposed Sampling Approach  | Sampling Rationale                      | VOCs (soil vapor) |                |              |                    |        |         |                            |             |          |    |             |    | Nitroaromatics (RDX /HMX) | VOCs (soil matrix) | Dioxins | PAHs | NDMA | Total Chromium | Hex. Chromium (HOLD) |
|  | Soil Vapor   |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
| TBD (68)                                     | Focused Irregular Grid   | Vapor  | 68                            | VOCs               | Collect and analyze soil vapor samples at 3 ft bgs at geophysical anomalies and at locations where depth to bedrock is 5 feet or less. Collect and analyze soil vapor samples at 3 feet and at top of bedrock at locations where depth to bedrock is greater than 5 feet. | Source areas, disturbed areas, data gap | 68                |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|  | Earth Pond 1   |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | SW corner of SWMU 4.8 - one proposed exploratory trench  | Soil   | 4                             | Extended RFI Suite | Collect samples at ground surface and at base of each exploratory trench. HOLD sample at base of trench if no field evidence of soil impacts.   | Source area                             |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           | 4  | 4                         | 4                  | 4       | 4    | 4    | 4              |                      |
| TBD (5)                                      | SW corner of SWMU 4.8  | Soil   | 10                            | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Source area                             |                   | 10             | 10           | 10                 | 10     | 10      | 10                         | 10          | 10       | 10 | 10          | 10 | 10                        | 10                 | 10      | 10   | 10   | 10             |                      |
| TBD (3)                                      | SW corner of SWMU 4.8  | Soil   | 6                             | RFI Suite          | Collect samples at ground surface and 3.5-4.0 ft bgs on containment berm.   | Disturbed area                          |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           | 6  |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|  | Earth Pond 2   |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | SW corner of SWMU 4.8 - one proposed exploratory trench  | Soil   | 4                             | Extended RFI Suite | Collect samples at ground surface and at base of each exploratory trench. HOLD sample at base of trench if no field evidence of soil impacts.   | Source area                             |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           | 4  | 4                         | 4                  | 4       | 4    | 4    | 4              |                      |
| TBD (9)                                      | SW corner of SWMU 4.8  | Soil   | 18                            | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Source area                             |                   | 18             | 18           | 18                 | 18     | 18      | 18                         | 18          | 18       | 18 | 18          | 18 | 18                        | 18                 | 18      | 18   | 18   | 18             |                      |
| TBD (2)                                      | SW corner of SWMU 4.8  | Soil   | 6                             | RFI Suite          | Collect samples at ground surface and 3.5-4.0 ft bgs on containment berm.   | Disturbed area                          |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           | 6  |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|  | Former Explosive Sheds   |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | East of Earth Ponds 1 and 2  | Soil   | 4                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Source area                             |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           | 4  | 4                         | 4                  | 4       | 4    | 4    | 4              |                      |
|  |  |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
|  | Former Fire Demonstration Area   |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |
| TBD (4)                                      | Former Fire Demonstration Area and Sample Location RR-8 - two proposed exploratory trenches            | Soil   | 8                             | Extended RFI Suite | Collect samples at ground surface and at base of each exploratory trench. HOLD sample at base of trench if no field evidence of soil impacts there.   | Source area                             |                   | 8              | 8            | 8                  | 8      | 8       | 8                          | 8           | 8        | 8  | 8           | 8  | 8                         | 8                  | 8       | 8    | 8    | 8              |                      |
| TBD (4)                                      | Former Fire Demonstration Area and Sample Location RR-8 - along sides of proposed exploratory trenches | Soil   | 8                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Source area                             |                   | 8              | 8            | 8                  | 8      | 8       | 8                          | 8           | 8        | 8  | 8           | 8  | 8                         | 8                  | 8       | 8    | 8    | 8              |                      |
|  |  |        |                               |                    |   |   |                   |                |              |                    |        |         |                            |             |          |    |             |    |                           |                    |         |      |      |                |                      |

TABLE IV  
SUMMARY OF PROPOSED SAMPLING  
AREA I BURN PIT AREA- SWMU 4.8  
BOEING SANTA SUSANA FIELD LABORATORY  
VENTURA COUNTY, CALIFORNIA

| Ventura County, California                   |  |        |                               |                    |  |                    |                   | Extended Suite |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|--|--|--------|-------------------------------|--------------------|--|--------------------|-------------------|----------------|--------------|--------------------|--------|---------|----------------------------|-------------|----------|----|-------------|----|----|----|----|----|----|----|--|
| Number of Sampling Locations (see Figure 10) | Area (SEE FIGURE 9)  | Matrix | Approximate Number of Samples | Analytical Suite   | Proposed Sampling Approach   | Sampling Rationale | VOCs (soil vapor) | RFI Suite      |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  |  |        |                               |                    |  |                    |                   | SVOCs          | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH | PCBs (HOLD) |    |    |    |    |    |    |    |  |
|  |  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  | 1982 Excavations 1-5   |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
| TBD (4)                                      | Former (1982) excavations 1-3, W of TTF  | Soil   | 12                            | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and just above bedrock    | Source area        |                   | 12             | 12           | 12                 | 12     | 12      | 12                         | 12          | 12       | 12 | 12          | 12 | 12 | 12 | 12 | 12 | 12 | 12 |  |
| TBD (7)                                      | Former (1982) excavation 4, W of TTF, and including geophysical anomaly                    | Soil   | 21                            | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and just above bedrock    | Source area        |                   | 21             | 21           | 21                 | 21     | 21      | 21                         | 21          | 21       | 21 | 21          | 21 | 21 | 21 | 21 | 21 | 21 | 21 |  |
| TBD (3)                                      | Perimeter of former (1982) excavation 4, W of TTF  | Soil   | 9                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and just above bedrock    | Disturbed area     |                   | 9              | 9            | 9                  | 9      | 9       | 9                          | 9           | 9        | 9  | 9           |    |    |    |    |    |    |    |  |
| TBD (1)                                      | Former (1982) excavation 5, NE of Concrete Pad 2   | Soil   | 2                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and just above bedrock    | Source area        |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           | 2  | 2  | 2  | 2  | 2  | 2  | 2  |  |
|  |  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  | Concrete Pond (removed)  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
| TBD (1)                                      | Within former concrete pond, NE of Burn Pit 1  | Soil   | 2                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           | 2  | 2  | 2  | 2  | 2  | 2  | 2  |  |
|  |  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  | Control Center (removed)   |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
| TBD (1)                                      | At former Control Center   | Soil   | 2                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           | 2  | 2  | 2  | 2  | 2  | 2  | 2  |  |
|  |  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  | Burn Pit 1   |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
| TBD (1)                                      | Within former Burn Pit 1   | Soil   | 3                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 3              | 3            | 3                  | 3      | 3       | 3                          | 3           | 3        | 3  | 3           | 3  | 3  | 3  | 3  | 3  | 3  | 3  |  |
|  |  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  | TTF Interim Status Facility  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
| TBD (1)                                      | Within Burn Pit 2  | Soil   | 3                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 3              | 3            | 3                  | 3      | 3       | 3                          | 3           | 3        | 3  | 3           | 3  | 3  | 3  | 3  | 3  | 3  | 3  |  |
| TBD (3)                                      | W, S, and E perimeter of Burn Pit 2  | Soil   | 9                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 9              | 9            | 9                  | 9      | 9       | 9                          | 9           | 9        | 9  | 9           | 9  | 9  | 9  | 9  | 9  | 9  | 9  |  |
| TBD (4)                                      | Northern and southern containment berms of Burn Pit 2                                      | Soil   | 8                             | RFI Suite          | Collect samples at ground surface and 3.5-4.0 ft bgs on containment berm.    | Disturbed area     |                   | 8              | 8            | 8                  | 8      | 8       | 8                          | 8           | 8        | 8  | 8           |    |    |    |    |    |    |    |  |
| TBD (1)                                      | SW perimeter of Burn Pit 2 berm  | Soil   | 3                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Disturbed area     |                   | 3              | 3            | 3                  | 3      | 3       | 3                          | 3           | 3        | 3  | 3           |    |    |    |    |    |    |    |  |
| TBD (1)                                      | At former Concrete Pad 2   | Soil   | 2                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           | 2  | 2  | 2  | 2  | 2  | 2  | 2  |  |
| TBD (2)                                      | Within containment berm of former Concrete Pad 2   | Soil   | 6                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Source area        |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           | 6  | 6  | 6  | 6  | 6  | 6  | 6  |  |
| TBD (5)                                      | Perimeter of former Concrete Pad 2 and containment berm, including 3 geophysical anomalies | Soil   | 10                            | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock | Disturbed area     |                   | 10             | 10           | 10                 | 10     | 10      | 10                         | 10          | 10       | 10 | 10          |    |    |    |    |    |    |    |  |
| TBD (2)                                      | Containment berm of former Concrete Pad 2  | Soil   | 4                             | RFI Suite          | Collect samples at ground surface and 3.5-4.0 ft bgs on containment berm.    | Disturbed area     |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |    |    |    |    |    |    |    |  |
|  |  |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |
|  | Concrete Ponds 2 and 3   |        |                               |                    |  |                    |                   |                |              |                    |        |         |                            |             |          |    |             |    |    |    |    |    |    |    |  |

TABLE IV  
SUMMARY OF PROPOSED SAMPLING  
AREA I BURN PIT AREA- SWMU 4.8  
BOEING SANTA SUSANA FIELD LABORATORY  
VENTURA COUNTY, CALIFORNIA

| VENTURA COUNTY, CALIFORNIA                   |  |        |                               |                    |   |                    |                   | Extended Suite |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|--|--|--------|-------------------------------|--------------------|---|--------------------|-------------------|----------------|--------------|--------------------|--------|---------|----------------------------|-------------|----------|----|-------------|---------------------------|--------------------|---------|------|------|----------------|----------------------|
|  |  |        |                               |                    |   |                    |                   | RFI Suite      |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |                    |                   | SVOCs          | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH | PCBs (HOLD) |                           |                    |         |      |      |                |                      |
| Number of Sampling Locations (see Figure 10) | Area (SEE FIGURE 9)  | Matrix | Approximate Number of Samples | Analytical Suite   | Proposed Sampling Approach  | Sampling Rationale | VOCs (soil vapor) | SVOCs          | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH | PCBs (HOLD) | Nitroaromatics (RDX /HMX) | VOCs (soil matrix) | Dioxins | PAHs | NDMA | Total Chromium | Hex. Chromium (HOLD) |
|  |  |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | Within the former concrete ponds                               | Soil   | 4                             | Extended RFI Suite | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Source area        |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           | 4                         | 4                  | 4       | 4    | 4    | 4              | 4                    |
| TBD (5)                                      | Around and between the former concrete ponds                   | Soil   | 10                            | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 10             | 10           | 10                 | 10     | 10      | 10                         | 10          | 10       | 10 | 10          |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  | Earth Pond 3   |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (4)                                      | Within former Earth Pond 3 - two proposed exploratory trenches | Soil   | 8                             | Extended RFI Suite | Collect samples at ground surface and at base of each exploratory trench. HOLD sample at base of trench if no field evidence of soil impacts there. | Source area        |                   | 8              | 8            | 8                  | 8      | 8       | 8                          | 8           | 8        | 8  | 8           | 8                         | 8                  | 8       | 8    | 8    | 8              | 8                    |
| TBD (4)                                      | Perimeter of former Earth Pond 3                               | Soil   | 8                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and just above bedrock   | Disturbed area     |                   | 8              | 8            | 8                  | 8      | 8       | 8                          | 8           | 8        | 8  | 8           |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  | Isolated Geophysical Anomalies                                 |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | W of Earth Pond 2  | Soil   | 4                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |                           |                    |         |      |      |                |                      |
| TBD (3)                                      | N of Former Fire Demonstration Area                            | Soil   | 6                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | S of TTF, just N of southern SWMU 4.8 boundary                 | Soil   | 2                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | NE of Concrete Pond 3  | Soil   | 2                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | NE side of Earth Pond 3  | Soil   | 2                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | Between Earth Pond 3 and Perimeter Pond                        | Soil   | 2                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | SE side of Burn Pit 2  | Soil   | 2                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (3)                                      | Three geophysical anomalies on S side of Earth Pond 3          | Soil   | 6                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Disturbed area     |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  | Western Migration Pathways                                     |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | SW and S of Earth Pond 2, respectively                         | Soil   | 4                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Migration pathway  |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |                           |                    |         |      |      |                |                      |
| TBD (3)                                      | Along southwestern SWMU 4.8 boundary and east of Earth Pond 2  | Soil   | 6                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Migration pathway  |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           |                           |                    |         |      |      |                |                      |
|  |  |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  | Eastern Migration Pathways                                     |        |                               |                    |   |                    |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | E side of former (1982) excavations 1-3                        | Soil   | 3                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Migration pathway  |                   | 3              | 3            | 3                  | 3      | 3       | 3                          | 3           | 3        | 3  | 3           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | SW of former (1982) excavation 4                               | Soil   | 3                             | RFI Suite          | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock  | Migration pathway  |                   | 3              | 3            | 3                  | 3      | 3       | 3                          | 3           | 3        | 3  | 3           |                           |                    |         |      |      |                |                      |

TABLE IV  
SUMMARY OF PROPOSED SAMPLING  
AREA I BURN PIT AREA- SWMU 4.8  
BOEING SANTA SUSANA FIELD LABORATORY  
VENTURA COUNTY, CALIFORNIA

| VENTURA COUNTY, CALIFORNIA                   |   |                |                               |                  |   |                      |                   | Extended Suite |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|--|---|----------------|-------------------------------|------------------|---|----------------------|-------------------|----------------|--------------|--------------------|--------|---------|----------------------------|-------------|----------|----|-------------|---------------------------|--------------------|---------|------|------|----------------|----------------------|
|  |   |                |                               |                  |   |                      |                   | RFI Suite      |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  |   |                |                               |                  |   |                      |                   | SVOCs          | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH | PCBs (HOLD) |                           |                    |         |      |      |                |                      |
| Number of Sampling Locations (see Figure 10) | Area (SEE FIGURE 9)   | Matrix         | Approximate Number of Samples | Analytical Suite | Proposed Sampling Approach  | Sampling Rationale   | VOCs (soil vapor) | SVOCs          | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH | PCBs (HOLD) | Nitroaromatics (RDX /HMX) | VOCs (soil matrix) | Dioxins | PAHs | NDMA | Total Chromium | Hex. Chromium (HOLD) |
| TBD (1)                                      | In minor drainage E of Concrete Pad 2   | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Migration pathway    |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (4)                                      | Along minor drainage leading from Concrete Pad 2 to the SE, towards SE corner of SWMU 4.8 | Soil           | 8                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Migration pathway    |                   | 8              | 8            | 8                  | 8      | 8       | 8                          | 8           | 8        | 8  | 8           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | SW of former nitrogen tetroxide tank  | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Migration pathway    |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | In minor drainage E of former Control Center  | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Migration pathway    |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | Along minor drainage E of Earth Pond 3, draining towards the E side of Earth Pond 3       | Soil           | 4                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Migration pathway    |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | Along minor drainage SE of Concrete Pond 3, draining towards the SE                       | Soil           | 4                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Migration pathway    |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |                           |                    |         |      |      |                |                      |
|  | Western Data Gap Areas  |                |                               |                  |   |                      |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | NE of Earth Pond 1  | Soil           | 4                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | North-central SWMU 4.8 boundary   | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
|  |   |                |                               |                  |   |                      |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  | Eastern Data Gap Areas  |                |                               |                  |   |                      |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | Between Concrete Pad 1 and former (1982) excavations 1-3                                  | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | Concrete Pad 1  | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | N of Concrete Pond (removed), NE of Burr Pit 1  | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | Former nitrogen tetroxide tank at NE corner of SWMU 4.8                                   | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | NE of Control Center (removed)  | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
| TBD (1)                                      | N of Control Center (removed)   | Soil           | 2                             | RFI Suite        | Collect samples at 0.5 ft bgs, between 3-5 ft bgs, and/or just above bedrock                  | Data gap             |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2  | 2           |                           |                    |         |      |      |                |                      |
|  |   |                |                               |                  |   |                      |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
|  | Western Drainages   |                |                               |                  |   |                      |                   |                |              |                    |        |         |                            |             |          |    |             |                           |                    |         |      |      |                |                      |
| TBD (2)                                      | Westernmost drainage, W of Northwest Hummocks   | Sediment, Soil | 4                             | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock, within drainage | Down-drainage sample |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4  | 4           |                           |                    |         |      |      |                |                      |
| TBD (3)                                      | South of Northwest Hummocks, North of Earth Pond 1  | Sediment, Soil | 6                             | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock within drainage  | Down-drainage sample |                   | 6              | 6            | 6                  | 6      | 6       | 6                          | 6           | 6        | 6  | 6           |                           |                    |         |      |      |                |                      |

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AREA I BURN PIT AREA- SWMU 4.8  
BOEING SANTA SUSANA FIELD LABORATORY  
VENTURA COUNTY, CALIFORNIA

| VENTURA COUNTY, CALIFORNIA                   |  |                                    |                               |                  |  |                      | Extended Suite    |                |              |                    |        |         |                            |             |          |       |             |                           |                    |         |      |      |                |                      |  |  |
|--|--|------------------------------------|-------------------------------|------------------|--|----------------------|-------------------|----------------|--------------|--------------------|--------|---------|----------------------------|-------------|----------|-------|-------------|---------------------------|--------------------|---------|------|------|----------------|----------------------|--|--|
| Number of Sampling Locations (see Figure 10) | Area (SEE FIGURE 9)  | Matrix                             | Approximate Number of Samples | Analytical Suite | Proposed Sampling Approach   | Sampling Rationale   | VOCs (soil vapor) | RFI Suite      |              |                    |        |         |                            |             |          |       |             |                           |                    |         |      |      |                |                      |  |  |
|  |  |                                    |                               |                  |  |                      |                   | SVOCs          | Formaldehyde | Nitrogen Compounds | Metals | Cyanide | TPH (diesel and oil range) | Perchlorate | Fluoride | pH    | PCBs (HOLD) | Nitroaromatics (RDX /HMX) | VOCs (soil matrix) | Dioxins | PAHs | NDMA | Total Chromium | Hex. Chromium (HOLD) |  |  |
| TBD (3)                                      | SW of Earth Pond 2   | Sediment, Soil                     | 9-13                          | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock, within drainage, and at drainage banks. Collect additional samples at 10 ft step-outs of bank locations and HOLD, pending drainage results.  | Down-drainage sample |                   | 9-13           | 9-13         | 9-13               | 9-13   | 9-13    | 9-13                       | 9-13        | 9-13     | 9-13  | 9-13        |                           |                    |         |      |      |                |                      |  |  |
|  |  |                                    |                               |                  |  |                      |                   |                |              |                    |        |         |                            |             |          |       |             |                           |                    |         |      |      |                |                      |  |  |
|  | Eastern Drainages  |                                    |                               |                  |  |                      |                   |                |              |                    |        |         |                            |             |          |       |             |                           |                    |         |      |      |                |                      |  |  |
| TBD (3)                                      | NE of Outfall 011 at SE corner of SWMU 4.8                         | Sediment, Soil                     | 9-13                          | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock, within drainage, and at drainage banks. Collect additional samples at 10 ft step-outs of bank locations and HOLD, pending drainage results.  | Down-drainage sample |                   | 9-13           | 9-13         | 9-13               | 9-13   | 9-13    | 9-13                       | 9-13        | 9-13     | 9-13  | 9-13        |                           |                    |         |      |      |                |                      |  |  |
|  |  |                                    |                               |                  |  |                      |                   |                |              |                    |        |         |                            |             |          |       |             |                           |                    |         |      |      |                |                      |  |  |
|  | Southern Drainages (Figure 7)                                      |                                    |                               |                  |  |                      |                   |                |              |                    |        |         |                            |             |          |       |             |                           |                    |         |      |      |                |                      |  |  |
| TBD (1)                                      | South of south-central SWMU 4.8 boundary                           | Sediment, Soil                     | 2                             | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock   | Down-drainage sample |                   | 2              | 2            | 2                  | 2      | 2       | 2                          | 2           | 2        | 2     | 2           |                           |                    |         |      |      |                |                      |  |  |
| TBD (3)                                      | SW of SWMU 4.8, in western drainage                                | Sediment, Soil                     | 9-13                          | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock, within drainage, and at drainage banks. Collect additional samples at 10 ft step-outs of bank locations and HOLD, pending drainage results.  | Down-drainage sample |                   | 9-13           | 9-13         | 9-13               | 9-13   | 9-13    | 9-13                       | 9-13        | 9-13     | 9-13  | 9-13        |                           |                    |         |      |      |                |                      |  |  |
| TBD (5)                                      | Along eastern drainage, S of SWMU 4.8                              | Sediment, Soil                     | 13-17                         | RFI Suite        | At single sample locations, collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock. At the multiple sample location, collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock, within drainage, and at drainage banks. Collect additional samples at 10 ft step-outs of bank locations and HOLD, pending drainage results. | Down-drainage sample |                   | 13-17          | 13-17        | 13-17              | 13-17  | 13-17   | 13-17                      | 13-17       | 13-17    | 13-17 | 13-17       |                           |                    |         |      |      |                |                      |  |  |
| TBD (2)                                      | Along drainage S of confluence of E and V drainages near SWMU 4.8  | Sediment, Soil                     | 4                             | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock   | Down-drainage sample |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4     | 4           |                           |                    |         |      |      |                |                      |  |  |
| TBD (3)                                      | Approximately 900 ft NE of Outfall 001 (Sample location BCBS07S01) | Sediment, Soil                     | 9-13                          | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock, within drainage, and at drainage banks. Collect additional samples at 10 ft step-outs of bank locations and HOLD, pending drainage results.  | Down-drainage sample |                   | 9-13           | 9-13         | 9-13               | 9-13   | 9-13    | 9-13                       | 9-13        | 9-13     | 9-13  | 9-13        |                           |                    |         |      |      |                |                      |  |  |
| TBD (1)                                      | Approximately 350 ft E of Outfall 001                              | Sediment, Soil                     | 4                             | RFI Suite        | Collect samples at 0.05 ft bgs, between 3-5 ft bgs and/or just above bedrock   | Down-drainage sample |                   | 4              | 4            | 4                  | 4      | 4       | 4                          | 4           | 4        | 4     | 4           |                           |                    |         |      |      |                |                      |  |  |
| 215-225 sampling locations                   |  | Approx number of samples: 413- 433 |                               |                  |  |                      | Totals: 68        | 345 - 365 each |              |                    |        |         |                            |             |          |       |             | 130                       | 130                | 130     | 130  | 130  | 130            | 130                  |  |  |

**TABLE IV**  
**NOTES AND ABBREVIATIONS**

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1. The proposed sampling listed on this table are shown on Figures 7 and 9.
2. EPA Method Numbers: VOCs (TO-15, 8260B), SVOCs (8270C), formaldehyde (8315A), nitrogen compounds (9056, SM4500), metals (6010B, 6020, 7199, 7471A), cyanide (9012B), TPH (8015), perchlorate (8321M), fluoride (340.2), pH (150.2), PCBs (8082), nitroaromatics (8330A), dioxins (8290), PAHs (8270C), NDMA (1625M).
3. Nitrogen forms including Nitrates (SW-846 EPA Method 9056) and Nitrites, Total Organic Nitrogen and Total Kjeldahl Nitrogen [SM4500](#) (Standard Methods 18th ed. Method 4500).
4. PCBs will be held and analyzed in samples containing elevated oil-range TPH (>1000 mg/kg).
5. Potential hydrazine impacts will be evaluated by analyzing for n-nitrosodimethylamine (NDMA).
6. Samples collected for hexavalent chromium will be held pending the total chromium results. Hexavalent chromium will be run on samples containing elevated total chromium above the background concentration.