

Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN



EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT

SECTION 312 TIER TWO REPORT FORMS

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R. A. Evans

K. J. Martin

Environmental Compliance
Organization

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February 1997

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MANAGED BY
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

UCN-13672 (26 6-95)

Prepared by the
Oak Ridge Y-12 Plant
Oak Ridge, Tennessee 37831
managed by
Lockheed Martin Energy Systems, Inc.
for the U.S. Department of Energy
under Contract No. DE-AC05-84OR21400

DISCLAIMER

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EMERGENCY PLANNING AND COMMUNITY
RIGHT-TO-KNOW ACT
SECTION 312 TIER TWO REPORT FORMS

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Oak Ridge Y-12 Plant
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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number _____ ID # _____ Date Received _____ FOR OFFICIAL USE ONLY		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title _____ Phone <u>(423) 576-7172</u> 24 Hr. Phone <u>(423) 576-7172</u> Name <u>DOE Emergency Response Center</u> Title _____ Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 <u>96</u>	
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory	
CAS <u>0000064197</u> Trade Secret ☐ Chem. Name <u>ACETIC ACID</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____		Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☐		Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>0000064197</u> Trade Secret ☐ Chem. Name <u>ACETIC ACID (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____		Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☐		Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>0007446700</u> Trade Secret ☐ Chem. Name <u>ALUMINUM CHLORIDE</u> Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☐		Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>03</u> No. of Days On-Site (days) <u>365</u>	
Storage Codes and Locations (Non-Confidential) Storage Locations		Optional		Optional Attachments	
Container Type Temperature Pressure C 4 1 9616-7 / West End Treatment M 4 1 9201-5 / 2nd Floor / Arc Melt M 4 1 9202 / 1st Floor / Room 178 M 4 1 9203 / 1st floor / Room 50 M 4 1 9204-2E / 3rd Floor / Room 316 M 4 1 9204-3 / 1st Floor / Room 109		C 4 1 9206 / 1st Floor; 9212 / Room 1014 M 4 1 9401-2 / Surface Coating M 4 1 9616-7 / Laboratory M 4 1 9624 / WETF Lab.; 9731 / 1st Floor M 4 1 9818 N 4 1 9417-8		C 4 1 1405 M 4 1 9202 / 3rd Floor / Room 314 N 4 1 9203 / 1st floor / Room 42B	
Certification (read and sign after completing all sections)					
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.					
Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____				Date signed _____	

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>34499</u> Dun & Brad Number <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574 7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576 1005</u>	
Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year.					
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory	
CAS <u>0007440371</u> Trade Secret ☐ Chem. Name <u>ARGON</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>0007440371</u> Trade Secret ☐ Chem. Name <u>ARGON (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>0007440371</u> Trade Secret ☐ Chem. Name <u>ARGON (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
Storage Codes and Locations (Non-Confidential) Container Type Temperature Pressure A 7 2 2 9977-1 / Gas Storage L 4 2 2 2002; 2005; 9201-3 L 4 2 2 9201-5 / 2nd Floor / Arc Melt; 9202 L 4 2 2 9203; 9204-1 / Maintenance Shop L 4 2 2 9204-2 / Maintenance L 4 2 2 9204-2E / 2nd Floor; 9204-3; 9206 L 4 2 2 9206 / West Dock L 4 2 2 9212 / B-1 Wing / Maintenance Area L 4 2 2 9212 / West Side Cylinder Storage L 4 2 2 9215 / M Wing L 4 2 2 9215 / West side Cylinder Storage L 4 2 2 9401-1; 9401-5; 9420 L 4 2 2 9616-7 / West End Treatment L 4 2 2 9624 / Maintenance Shop L 4 2 2 9709 / Weld Test Shop; 9720-13 L 4 2 2 9720-58 / Waste oil/Solvent Storage L 4 2 2 9720-6 / Metal Fab Shops L 4 2 2 9723-25 / 1st Floor / Maintenance		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures			

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____ Date signed _____

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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> ID # <u> </u> Date Received <u> </u> FOR OFFICIAL USE ONLY		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574 7172</u> 24 Hr. Phone <u>(423) 574 7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576 1005</u> 24 Hr. Phone <u>(423) 576 1005</u>	
Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year.					
Chemical Description CAS <u>007440371</u> Trade <u>Secret</u> Chem. Name <u>ARGON (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		Physical and Health Hazards (check all that apply) Fire ☐ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Inventory Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
Chemical Description CAS <u>007440417</u> Trade <u>Secret</u> Chem. Name <u>BERYLLIUM & COMPOUNDS, AS BE</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		Physical and Health Hazards (check all that apply) Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		Inventory Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
Chemical Description CAS <u>010043524</u> Trade <u>Secret</u> Chem. Name <u>CALCIUM CHLORIDE</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		Physical and Health Hazards (check all that apply) Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)		Inventory Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
Storage Codes and Locations (Non-Confidential) Container Type Temperature Pressure 1 4 2 2 4 2 3 4 2 4 4 2 5 4 2 6 4 2 7 4 2 8 4 2 9 4 2 10 4 2 11 4 2 12 4 2 13 4 2 14 4 2 15 4 2 16 4 2 17 4 2 18 4 2 19 4 2 20 4 2 21 4 2 22 4 2 23 4 2 24 4 2 25 4 2 26 4 2 27 4 2 28 4 2 29 4 2 30 4 2 31 4 2 32 4 2 33 4 2 34 4 2 35 4 2 36 4 2 37 4 2 38 4 2 39 4 2 40 4 2 41 4 2 42 4 2 43 4 2 44 4 2 45 4 2 46 4 2 47 4 2 48 4 2 49 4 2 50 4 2 51 4 2 52 4 2 53 4 2 54 4 2 55 4 2 56 4 2 57 4 2 58 4 2 59 4 2 60 4 2 61 4 2 62 4 2 63 4 2 64 4 2 65 4 2 66 4 2 67 4 2 68 4 2 69 4 2 70 4 2 71 4 2 72 4 2 73 4 2 74 4 2 75 4 2 76 4 2 77 4 2 78 4 2 79 4 2 80 4 2 81 4 2 82 4 2 83 4 2 84 4 2 85 4 2 86 4 2 87 4 2 88 4 2 89 4 2 90 4 2 91 4 2 92 4 2 93 4 2 94 4 2 95 4 2 96 4 2 97 4 2 98 4 2 99 4 2 100 4 2 101 4 2 102 4 2 103 4 2 104 4 2 105 4 2 106 4 2 107 4 2 108 4 2 109 4 2 110 4 2 111 4 2 112 4 2 113 4 2 114 4 2 115 4 2 116 4 2 117 4 2 118 4 2 119 4 2 120 4 2 121 4 2 122 4 2 123 4 2 124 4 2 125 4 2 126 4 2 127 4 2 128 4 2 129 4 2 130 4 2 131 4 2 132 4 2 133 4 2 134 4 2 135 4 2 136 4 2 137 4 2 138 4 2 139 4 2 140 4 2 141 4 2 142 4 2 143 4 2 144 4 2 145 4 2 146 4 2 147 4 2 148 4 2 149 4 2 150 4 2 151 4 2 152 4 2 153 4 2 154 4 2 155 4 2 156 4 2 157 4 2 158 4 2 159 4 2 160 4 2 161 4 2 162 4 2 163 4 2 164 4 2 165 4 2 166 4 2 167 4 2 168 4 2 169 4 2 170 4 2 171 4 2 172 4 2 173 4 2 174 4 2 175 4 2 176 4 2 177 4 2 178 4 2 179 4 2 180 4 2 181 4 2 182 4 2 183 4 2 184 4 2 185 4 2 186 4 2 187 4 2 188 4 2 189 4 2 190 4 2 191 4 2 192 4 2 193 4 2 194 4 2 195 4 2 196 4 2 197 4 2 198 4 2 199 4 2 200 4 2 201 4 2 202 4 2 203 4 2 204 4 2 205 4 2 206 4 2 207 4 2 208 4 2 209 4 2 210 4 2 211 4 2 212 4 2 213 4 2 214 4 2 215 4 2 216 4 2 217 4 2 218 4 2 219 4 2 220 4 2 221 4 2 222 4 2 223 4 2 224 4 2 225 4 2 226 4 2 227 4 2 228 4 2 229 4 2 230 4 2 231 4 2 232 4 2 233 4 2 234 4 2 235 4 2 236 4 2 237 4 2 238 4 2 239 4 2 240 4 2 241 4 2 242 4 2 243 4 2 244 4 2 245 4 2 246 4 2 247 4 2 248 4 2 249 4 2 250 4 2 251 4 2 252 4 2 253 4 2 254 4 2 255 4 2 256 4 2 257 4 2 258 4 2 259 4 2 260 4 2 261 4 2 262 4 2 263 4 2 264 4 2 265 4 2 266 4 2 267 4 2 268 4 2 269 4 2 270 4 2 271 4 2 272 4 2 273 4 2 274 4 2 275 4 2 276 4 2 277 4 2 278 4 2 279 4 2 280 4 2 281 4 2 282 4 2 283 4 2 284 4 2 285 4 2 286 4 2 287 4 2 288 4 2 289 4 2 290 4 2 291 4 2 292 4 2 293 4 2 294 4 2 295 4 2 296 4 2 297 4 2 298 4 2 299 4 2 300 4 2 301 4 2 302 4 2 303 4 2 304 4 2 305 4 2 306 4 2 307 4 2 308 4 2 309 4 2 310 4 2 311 4 2 312 4 2 313 4 2 314 4 2 315 4 2 316 4 2 317 4 2 318 4 2 319 4 2 320 4 2 321 4 2 322 4 2 323 4 2 324 4 2 325 4 2 326 4 2 327 4 2 328 4 2 329 4 2 330 4 2 331 4 2 332 4 2 333 4 2 334 4 2 335 4 2 336 4 2 337 4 2 338 4 2 339 4 2 340 4 2 341 4 2 342 4 2 343 4 2 344 4 2 345 4 2 346 4 2 347 4 2 348 4 2 349 4 2 350 4 2 351 4 2 352 4 2 353 4 2 354 4 2 355 4 2 356 4 2 357 4 2 358 4 2 359 4 2 360 4 2 361 4 2 362 4 2 363 4 2 364 4 2 365 4 2 366 4 2 367 4 2 368 4 2 369 4 2 370 4 2 371 4 2 372 4 2 373 4 2 374 4 2 375 4 2 376 4 2 377 4 2 378 4 2 379 4 2 380 4 2 381 4 2 382 4 2 383 4 2 384 4 2 385 4 2 386 4 2 387 4 2 388 4 2 389 4 2 390 4 2 391 4 2 392 4 2 393 4 2 394 4 2 395 4 2 396 4 2 397 4 2 398 4 2 399 4 2 400 4 2 401 4 2 402 4 2 403 4 2 404 4 2 405 4 2 406 4 2 407 4 2 408 4 2 409 4 2 410 4 2 411 4 2 412 4 2 413 4 2 414 4 2 415 4 2 416 4 2 417 4 2 418 4 2 419 4 2 420 4 2 421 4 2 422 4 2 423 4 2 424 4 2 425 4 2 426 4 2 427 4 2 428 4 2 429 4 2 430 4 2 431 4 2 432 4 2 433 4 2 434 4 2 435 4 2 436 4 2 437 4 2 438 4 2 439 4 2 440 4 2 441 4 2 442 4 2 443 4 2 444 4 2 445 4 2 446 4 2 447 4 2 448 4 2 449 4 2 450 4 2 451 4 2 452 4 2 453 4 2 454 4 2 455 4 2 456 4 2 457 4 2 458 4 2 459 4 2 460 4 2 461 4 2 462 4 2 463 4 2 464 4 2 465 4 2 466 4 2 467 4 2 468 4 2 469 4 2 470 4 2 471 4 2 472 4 2 473 4 2 474 4 2 475 4 2 476 4 2 477 4 2 478 4 2 479 4 2 480 4 2 481 4 2 482 4 2 483 4 2 484 4 2 485 4 2 486 4 2 487 4 2 488 4 2 489 4 2 490 4 2 491 4 2 492 4 2 493 4 2 494 4 2 495 4 2 496 4 2 497 4 2 498 4 2 499 4 2 500 4 2 501 4 2 502 4 2 503 4 2 504 4 2 505 4 2 506 4 2 507 4 2 508 4 2 509 4 2 510 4 2 511 4 2 512 4 2 513 4 2 514 4 2 515 4 2 516 4 2 517 4 2 518 4 2 519 4 2 520 4 2 521 4 2 522 4 2 523 4 2 524 4 2 525 4 2 526 4 2 527 4 2 528 4 2 529 4 2 530 4 2 531 4 2 532 4 2 533 4 2 534 4 2 535 4 2 536 4 2 537 4 2 538 4 2 539 4 2 540 4 2 541 4 2 542 4 2 543 4 2 544 4 2 545 4 2 546 4 2 547 4 2 548 4 2 549 4 2 550 4 2 551 4 2 552 4 2 553 4 2 554 4 2 555 4 2 556 4 2 557 4 2 558 4 2 559 4 2 560 4 2 561 4 2 562 4 2 563 4 2 564 4 2 565 4 2 566 4 2 567 4 2 568 4 2 569 4 2 570 4 2 571 4 2 572 4 2 573 4 2 574 4 2 575 4 2 576 4 2 577 4 2 578 4 2 579 4 2 580 4 2 581 4 2 582 4 2 583 4 2 584 4 2 585 4 2 586 4 2 587 4 2 588 4 2 589 4 2 590 4 2 591 4 2 592 4 2 593 4 2 594 4 2 595 4 2 596 4 2 597 4 2 598 4 2 599 4 2 600 4 2 601 4 2 602 4 2 603 4 2 604 4 2 605 4 2 606 4 2 607 4 2 608 4 2 609 4 2 610 4 2 611 4 2 612 4 2 613 4 2 614 4 2 615 4 2 616 4 2 617 4 2 618 4 2 619 4 2 620 4 2 621 4 2 622 4 2 623 4 2 624 4 2 625 4 2 626 4 2 627 4 2 628 4 2 629 4 2 630 4 2 631 4 2 632 4 2 633 4 2 634 4 2 635 4 2 636 4 2 637 4 2 638 4 2 639 4 2 640 4 2 641 4 2 642 4 2 643 4 2 644 4 2 645 4 2 646 4 2 647 4 2 648 4 2 649 4 2 650 4 2 651 4 2 652 4 2 653 4 2 654 4 2 655 4 2 656 4 2 657 4 2 658 4 2 659 4 2 660 4 2 661 4 2 662 4 2 663 4 2 664 4 2 665 4 2 666 4 2 667 4 2 					

Revised June 1990

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Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year.	
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory	
CAS <u>010043524</u> Trade <u>Secret</u> Chem. Name <u>CALCIUM CHLORIDE (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)		Container Type <u>J</u> Temperature <u>4</u> Pressure <u>1</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>010043524</u> Trade <u>Secret</u> Chem. Name <u>CALCIUM CHLORIDE (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Container Type <u>N</u> Temperature <u>4</u> Pressure <u>1</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>001305620</u> Trade <u>Secret</u> Chem. Name <u>CALCIUM HYDROXIDE</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		Container Type <u>D</u> Temperature <u>4</u> Pressure <u>1</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
Chemical Codes and Locations (Non-Confidential) Storage Locations		Optional Attachments		I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures ☐	
Optional		Optional		Optional	

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25 and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____

Date signed _____

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY		Facility Identification		Owner/Operator Name	
Specific Information by Chemical		Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u>	
		Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>		Dun & Brad Number		Emergency Contact	
SIC Code <u>3499</u>		ID #		Name <u>Plant Shift Superintendent</u> Title	
FOR OFFICIAL USE ONLY		Date Received		Phone <u>(423) 576 7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
Important: Read all instructions before completing form		Reporting Period From January 1 to December 31, 19 <u>96</u>		Check if information below is identical to the information submitted last year. ☐	
Chemical Description		Physical and Health Hazards		Inventory	
CAS <u>001305620</u> Trade Secret ☐		File ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒		Container Type <u>N</u> Temperature <u>4</u> Pressure <u>1</u>	
Chem. Name <u>CALCIUM HYDROXIDE (cont'd)</u>		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		Storage Codes and Locations (Non-Confidential)	
EHS Name				Storage Locations	
CAS <u>007440440</u> Trade Secret ☐		File ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic) ☐		9202; 9624 / WETF Lab.; 9995	
Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</u>		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		Optional ☐	
EHS Name					
CAS <u>007440440</u> Trade Secret ☐		File ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic) ☐		9616-7 / Groundwater Treatment	
Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</u>		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		9204-2; 9206; 9404-9; 9720-19A	
EHS Name				9720-27; 9998 / H-1 Foundry	
CAS <u>007440440</u> Trade Secret ☐		File ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic) ☐		9201-5; 9201-5N; 9204-2E	
Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</u>		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		9201-5; 9206; 9212; 9215; 9404-9	
EHS Name				9720-5	
CAS <u>007440440</u> Trade Secret ☐		File ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic) ☐		9422	
Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</u>		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		9616-7 / West Tank Farm	
EHS Name				9201-1; 9422	
CAS <u>007440440</u> Trade Secret ☐		File ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic) ☐		9720-1; 9720-8	
Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</u>		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		Optional Attachments	
EHS Name				☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures	
Certification (Read and sign after completing all sections)		I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.		Date signed	
Name and official title of owner/operator OR owner/operator's authorized representative		Signature		Date signed	

Revised June 1980

**Tier Two
EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORY**

Specific
Information
by Chemical

Facility Identification

Name Oak Ridge Y-12 Plant
Street Bear Creek Road
City Oak Ridge County Anderson State TN Zip 37831
SIC Code 3 4 9 9 Dun & Brad Number

**FOR
OFFICIAL
USE
ONLY**
ID #
Date Received

Emergency Contact

Name Plant Shift Superintendent Title
Phone (423) 574-7172 24 Hr. Phone (423) 574-7172
Name DOE Emergency Response Center Title
Phone (423) 576-1005 24 Hr. Phone (423) 576-1005

Owner/Operator Name

Name U.S. Department of Energy Phone (423) 576 9850
Mail Address P.O. Box 2001, Oak Ridge, TN 37831

Important: Read all instructions before completing form

Reporting Period

From January 1 to December 31, 19 96

☐ Check if information below is identical to the information submitted last year.

Chemical Description

CAS 0 0 0 0 1 2 4 3 8 9 Trade Secret
Chem. Name CARBON DIOXIDE

Check all that apply:
☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas EHS
EHS Name

Physical and Health Hazards
(check all that apply)

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)
☒ X ☐ ☐ ☒ ☐

CAS 0 0 7 7 8 2 5 0 5 Trade Secret
Chem. Name CHLORINE
Check all that apply:
☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas EHS
EHS Name CHLORINE

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)
☒ X ☒ ☒ ☐ ☐

CAS 0 6 1 7 9 0 5 3 2 Trade Secret
Chem. Name PLUTONIUM OXIDE
Check all that apply:
☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas EHS
EHS Name

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)
☐ ☐ ☒ ☒ ☐

Inventory

Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)
0 4 0 4 3 6 5

Container Type Temperature Pressure

A L L L P 4 4 4 4 4 2 2 2 2 2

Storage Codes and Locations (Non-Confidential)

Storage Locations

9710-2 / Outside Tank
1405; 2005; 9204-2E / 2nd Floor
9709; 9769; 9995 / Basement Floor
9710-2 / Outside Tanker

Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)
0 4 0 3 3 6 5

L 4 2

1404-2; 1405; 9204-1; 9737

Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)
0 4 0 3 3 6 5

E 4 1 F 4 1 J 4 1 J 4 1 J 4 1 J 4 1

9206
9201-5; 9204-2
2005; 9201-1 / Oil House; 9202
9212 / B-1 Wing; 9212 / C-1 Wing
9212 / E Wing; 9212 / Reduction
9616-9; 9720-2

Certification: (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

Optional Attachments

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY		Facility Identification		Owner/Operator Name	
Name: Oak Ridge Y-12 Plant		Name: U.S. Department of Energy		Phone: (423) 576 9850	
Street: Bear Creek Road		Mail Address: P.O. Box 2001, Oak Ridge, TN 37831			
City: Oak Ridge		County: Anderson		State: TN Zip: 37831	
SIC Code: 3499		Dun & Bradstreet Number: [] [] [] [] [] [] [] [] [] []			
ID # [] [] [] [] [] [] [] [] [] []		FOR OFFICIAL USE ONLY			
Date Received: [] [] [] [] [] [] [] [] [] []		Reporting Period: From January 1 to December 31, 19 96		Check if information below is identical to the information submitted last year: []	
Chemical Description	Physical and Health Hazards	Inventory	Storage Codes and Locations (Non-Confidential)	Optional	
CAS [0] [6] [1] [7] [9] [0] [5] [3] [2] Trade Secret	Fire [] Sudden Release of Pressure [] Reactivity [] Immediate (acute) [X] Delayed (chronic) [X]	Max. Daily Amount (code) [0] [4] Avg. Daily Amount (code) [0] [3] No. of Days On-Site (days) [3] [6] [5]	9207 9201-1 / 1st Floor / Oil Room	[]	
Chem. Name DIATOMACEOUS EARTH (cont'd)					
Check all that apply: [X] Pure [] Mix [] Solid [] Liquid [] Gas [] EHS					
EHS Name					
CAS [] [] [] [] [] [] [] [] [] [] Trade Secret	Fire [X] Sudden Release of Pressure [] Reactivity [] Immediate (acute) [X] Delayed (chronic) [X]	Max. Daily Amount (code) [0] [5] Avg. Daily Amount (code) [0] [5] No. of Days On-Site (days) [3] [6] [5]	1404-1; 1404-5; 2005 9714 / TSD Garage; 9754-3 9401-1 2001; 9720-50 9401-1 2005; 9712 / Tanker Truck	[]	
Chem. Name DIESEL FUEL NO. 2					
Check all that apply: [] Pure [] Mix [] Solid [X] Liquid [] Gas [] EHS					
EHS Name					
CAS [0] [1] [0] [0] [2] [8] [2] [2] [5] Trade Secret	Fire [] Sudden Release of Pressure [] Reactivity [X] Immediate (acute) [X] Delayed (chronic) [X]	Max. Daily Amount (code) [0] [4] Avg. Daily Amount (code) [0] [4] No. of Days On-Site (days) [3] [6] [5]	9616-7 / West End Treatment 9623 / CPCF - Laboratory 9201-4 / 1st Floor 9202 9624; 9731 / 2nd Floor	[]	
Chem. Name FERRIC SULFATE					
Check all that apply: [] Pure [X] Mix [] Solid [X] Liquid [] Gas [] EHS					
EHS Name					
Certification (Read and sign after completing all sections)		Optional Attachments			
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.		[] I have attached a site plan [] I have attached a list of site coordinate abbreviations [] I have attached a description of dikes and other safeguard measures			
Name and official title of owner/operator OR owner/operator's authorized representative		Signature		Date signed	

Revised June 1990

Facility Identification		Owner/Operator Name	
Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574 7172</u> 24 Hr. Phone <u>(423) 574 7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576 1005</u> 24 Hr. Phone <u>(423) 576 1005</u>	
Specific Information by Chemical/ FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> Check if information below is identical to the information submitted last year. ☐	

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential)	Optional
CAS <u>000076131</u> Trade Secret ☐ Chem. Name <u>ERON 113</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒	Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	9215 9201-2; 9201-5; 9206 / West Dock 9212 / E Wing; 9720-2 9201-1; 9202 9204-3 / Basement / Room 11; 9709 9720-2	☐
CAS <u>000076131</u> Trade Secret ☐ Chem. Name <u>ERON 113 (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒	Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	9712 9202; 9207 / 5th Floor 9207 / 4th Floor; 9769 / 3rd Floor 9995 / Basement Floor 9995 / 1st Floor 9204-1 / 1st Floor / Red Shop	☐
CAS <u>000076131</u> Trade Secret ☐ Chem. Name <u>ERON 113 (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒	Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	9103 / 1st Floor; 9203	☐

Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.	Signature <u> </u> Date signed <u> </u>
--	---

Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures	
--	--

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574 7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	
Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> Check if information below is identical to the information submitted last year. ☐					
Chemical Description CAS <u>000075718</u> Trade Secret ☐ Chem. Name <u>FREON 12</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		Physical and Health Hazards (check all that apply) Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☒		Inventory Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>000075718</u> Trade Secret ☐ Chem. Name <u>FREON 22</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☒		Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>03</u> No. of Days On-Site (days) <u>365</u>	
CAS <u>000075718</u> Trade Secret ☐ Chem. Name <u>FREON(R) 11</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☒		Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	
Storage Codes and Locations (Non-Confidential) Storage Locations 9201-1; 9201-3; 9201-5N 9204-1 / Dock 119; 9204-2E; 9204-4 9712; 9714 / TSD Garage; 9737 9808 / Refrigeration Shop; 9959 9981		9203; 9737 9201-3; 9208; 9420; 9720-8; 9737 9808 / Refrigeration Shop; 9959		9201-5E 9720-2 / Bay 40 Oil storage 9203 / 1st floor / Room 45 - TEM	
Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.					
Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____				Date signed _____	
Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures					

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name Oak Ridge Y-12 Plant Street Bear Creek Road City Oak Ridge County Anderson State TN Zip 37831 SIC Code 3499 Dun & Brad Number FOR OFFICIAL USE ONLY ID # Date Received		Owner/Operator Name Name U.S. Department of Energy Phone (423) 576 9850 Mail Address P.O. Box 2001, Oak Ridge, TN 37831 Emergency Contact Name Plant Shift Superintendent Title Phone (423) 574-7172 24 Hr. Phone (423) 574 7172 Name DOE Emergency Response Center Title Phone (423) 576-1005 24 Hr. Phone (423) 576-1005		Check if information below is identical to the information submitted last year. ☐		
Important: Read all instructions before completing form								
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory		Storage Codes and Locations (Non-Confidential) Storage Locations		
CAS ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Trade Secret ☐ Chem. Name GASOLINE, UNLEADED Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name		Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒		Max. Daily Amount (code) 05 Avg. Daily Amount (code) 05 No. of Days On-Site (days) 365		Container Type Temperature Pressure A 4 1 2005; 9204-3 B 4 1 9714 / Underground Tank B 4 1 9754-3 / Underground Tank D 4 1 9401-1; 9720-13 F 4 1 9201-1; 9201-2 / Storage Shed F 4 1 9204-1; 9206; 9219; 9404-20; 9404-5		☐
CAS ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Trade Secret ☐ Chem. Name GASOLINE, UNLEADED (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name		Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒		Max. Daily Amount (code) 05 Avg. Daily Amount (code) 05 No. of Days On-Site (days) 365		Container Type Temperature Pressure F 4 1 9714; 9720-41; 9720-6; 9808; 9828-6 F 4 1 9983; Sanitary Landfill #6 F 4 1 West Tank Farm P 4 1 2005; 9712		☐
CAS 007440597 Trade Secret ☐ Chem. Name HELIUM Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name		Fire ☐ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		Max. Daily Amount (code) 04 Avg. Daily Amount (code) 03 No. of Days On-Site (days) 365		Container Type Temperature Pressure L 4 2 9201-1; 9201-2; 9201-3; 9201-5N L 4 2 9202; 9203; 9204-1 / Dock 119 L 4 2 9204-2 / Maintenance; 9204-2E; 9206 L 4 2 9404-1; 9416-7; 9709; 9720-13 L 4 2 9720-6; 9723-25; 9769; 9959; 9995 L 4 2 9998		☐
Certification (Read and sign after completing all sections)								
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.								
Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____						Date signed _____		
Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures								

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> ID # <u> </u> Date Received <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574 7172</u> 24 Hr. Phone <u>(423) 574 7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576 1005</u> 24 Hr. Phone <u>(423) 576 1005</u>				
Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year.								
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory		Storage Codes and Locations (Non-Confidential) Storage Locations		Optional
CAS <u>007440597</u> Trade Secret ☐ Chem. Name <u>HELIUM (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>03</u> No. of Days On-Site (days) <u>365</u>		Container Type <u>042</u> Pressure <u> </u> Temperature <u> </u> 9977-1 / Gas Storage		☐
CAS <u>007647010</u> Trade Secret ☐ Chem. Name <u>HYDROCHLORIC ACID</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		☒ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>		Container Type <u>A441</u> Pressure <u> </u> Temperature <u> </u> 9204-2 / Tank 9201-5 9201-4 9404-5 1405; 9201-5; 9202; 9203 9204-2E / 3rd Floor; 9204-3		☐
CAS <u>007647010</u> Trade Secret ☐ Chem. Name <u>HYDROCHLORIC ACID (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		☒ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>		Container Type <u>M441</u> Pressure <u> </u> Temperature <u> </u> 9206 / 2nd Floor / Room 100E; 9207 9212 / E Wing / Room 1021 9401-3 / 1st Floor 9616-7 / Laboratory; 9720-2; 9731 9737 / 1st Floor / Room 9; 9769 9995; Union Valley Facility		☐
Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.								
Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____						Date signed _____		
Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures								

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific
Information
by Chemical

Facility Identification

Name Oak Ridge Y-12 Plant
Street Bear Creek Road
City Oak Ridge County Anderson State TN Zip 37831
SIC Code 3 4 9 9 Dun & Brad Number

FOR
OFFICIAL
USE
ONLY

ID #

Date Received

Owner/Operator Name

Name U.S. Department of Energy Phone (423) 576 9850
Mail Address P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact

Name Plant Shift Superintendent Title
Phone (423) 574 7172 24 Hr. Phone (423) 574 7172
Name DOE Emergency Response Center Title
Phone (423) 576 1005 24 Hr. Phone (423) 576 1005

Important: Read all instructions before completing form

Reporting Period

96

Check if information below is identical to the information submitted last year. ☐

Chemical Description

CAS 0 0 7 6 6 4 3 9 3 Trade Secret
Chem. Name HYDROGEN FLUORIDE

Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS
EHS Name HYDROGEN FLUORIDE

CAS 0 0 0 0 6 7 6 3 0 Trade Secret
Chem. Name ISOPROPYL ALCOHOL

Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS
EHS Name

CAS 0 0 0 0 6 7 6 3 0 Trade Secret
Chem. Name ISOPROPYL ALCOHOL (cont'd)

Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS
EHS Name

Physical and Health Hazards

(check all that apply)

Fire ☐
Sudden Release of Pressure ☒
Reactivity ☐
Immediate (acute) ☒
Delayed (chronic) ☒

Inventory

Max. Daily Amount (code) 0 4
Avg. Daily Amount (code) 0 4
No. of Days On-Site (days) 3 6 5

Container Type
Temperature
Pressure

L 1 1
M 4 1
M 4 1
N 4 1
N 4 1
N 4 1

Storage Codes and Locations (Non-Confidential)

Storage Locations

9200-40
9201-5N; 9204-3; 9204-4
9212 / E Wing / Room 1021; 9720-2
9202; 9204-2E / 3rd Floor; 9204-3
9995; Union Valley Facility

Max. Daily Amount (code) 0 4
Avg. Daily Amount (code) 0 4
No. of Days On-Site (days) 3 6 5

F 1 1
F 4 1
F 4 1
M 4 1
M 4 1
M 4 1

9201-1; 9201-5; 9201-5N; 9204-2
9204-2E / 3rd Floor / Room 309
9208; 9720-8
9103; 9202; 9206
9616-7 / Laboratory; 9720-2; 9720-8
9737

Max. Daily Amount (code) 0 4
Avg. Daily Amount (code) 0 4
No. of Days On-Site (days) 3 6 5

N 1 1
N 4 1
N 4 1
N 4 1
N 4 1
N 4 1

9204-2E / 3rd Floor / Room 311
9207; 9212 / 8-1 Wing
9212 / E Wing; 9401-1; 9720-2
9723-25; 9737; 9738
Union Valley Facility

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

Optional Attachments

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific
Information
by Chemical

Facility Identification

Name Oak Ridge Y-12 Plant
Street Bear Creek Road
City Oak Ridge County Anderson State TN Zip 37831
SIC Code 3 4 9 9 Dun & Brad Number

FOR
OFFICIAL
USE
ONLY

ID #
Date Received

Owner/Operator Name

Name U.S. Department of Energy Phone (423) 576 9850
Mail Address P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact

Name Plant Shift Superintendent Title
Phone (423) 574 7172 24 Hr. Phone (423) 574-7172
Name DOE Emergency Response Center Title
Phone (423) 576 1005 24 Hr. Phone (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19 96

Check if information below is identical to the information submitted last year.

Chemical Description

CAS 0 0 7 4 4 7 4 1 8 Trade Secret
Chem. Name LITHIUM CHLORIDE

Check all that apply: Pure Mix Solid Liquid Gas EHS
EHS Name

CAS 0 1 3 5 8 7 1 6 1 Trade Secret
Chem. Name LITHIUM DEUTERIDE

Check all that apply: Pure Mix Solid Liquid Gas EHS
EHS Name

CAS 0 0 7 5 8 0 6 7 8 Trade Secret
Chem. Name LITHIUM HYDRIDE

Check all that apply: Pure Mix Solid Liquid Gas EHS
EHS Name LITHIUM HYDRIDE

Physical and Health Hazards

(check all that apply)

File Sudden Release of Pressure Reactivity
X Immediate (acute)
X Delayed (chronic)

File Sudden Release of Pressure Reactivity
X Immediate (acute)
X Delayed (chronic)

File Sudden Release of Pressure Reactivity
X Immediate (acute)
X Delayed (chronic)

Inventory

0 4 Max. Daily Amount (code)
0 3 Avg. Daily Amount (code)
3 6 5 No. of Days On-Site (days)

0 4 Max. Daily Amount (code)
0 4 Avg. Daily Amount (code)
3 6 5 No. of Days On-Site (days)

0 5 Max. Daily Amount (code)
0 5 Avg. Daily Amount (code)
3 6 5 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential)

Storage Locations

9204-2
1405; 2002; 9202; 9204-2E; 9204-4
9720-2
9204-2

9201-5; 9204-2; 9720-46

9201-5; 9204-2; 9720-46
9202
9731 / 1st Floor / Prototype Powder

Certification (read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

Optional Attachments

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Revised June 1990

Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> ID # <u> </u> Date Received <u> </u> FOR OFFICIAL USE ONLY		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>													
Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year.															
Chemical Description CAS <u>001310652</u> Trade Secret <u>2</u> Chem. Name <u>LITHIUM HYDROXIDE</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Physical and Health Hazards (check all that apply) Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Inventory Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>05</u> No. of Days On-Site (days) <u>365</u>	Storage Codes and Locations (Non-Confidential) Container Type <table border="1" style="width:100%;"><tr><td>A</td><td>4</td><td>1</td></tr><tr><td>D</td><td>4</td><td>1</td></tr></table> Pressure <u> </u> Storage Locations <u>9204-2; West Tank Farm</u> <u>9204-2</u>	A	4	1	D	4	1						
A	4	1													
D	4	1													
CAS <u>001309484</u> Trade Secret <u>4</u> Chem. Name <u>MAGNESIUM OXIDE</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>04</u> No. of Days On-Site (days) <u>365</u>	Container Type <table border="1" style="width:100%;"><tr><td>D</td><td>4</td><td>1</td></tr><tr><td>H</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>N</td><td>4</td><td>1</td></tr></table> Pressure <u> </u> Storage Locations <u>9204-2; 9404-2</u> <u>9204-2</u> <u>9204-3</u> <u>9202; 9203; 9204-3</u>	D	4	1	H	4	1	M	4	1	N	4	1
D	4	1													
H	4	1													
M	4	1													
N	4	1													
CAS <u>007439976</u> Trade Secret <u>6</u> Chem. Name <u>MERCURY METAL</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Max. Daily Amount (code) <u>06</u> Avg. Daily Amount (code) <u>06</u> No. of Days On-Site (days) <u>365</u>	Container Type <table border="1" style="width:100%;"><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>N</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr></table> Pressure <u> </u> Storage Locations <u>9202; 9203; 9710-2; 9720-26</u> <u>9201-2; 9208; 9720-8</u> <u>9737 / 2nd Floor</u> <u>9212 / E Wing</u>	M	4	1	N	4	1	R	4	1			
M	4	1													
N	4	1													
R	4	1													
Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.															
Name and official title of owner/operator OR owner/operator's authorized representative <u> </u>		Date signed <u> </u>													
Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures															

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY		Facility Identification		Owner/Operator Name	
Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy		Phone (423) 576 9850	
Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831			
City Oak Ridge		County Anderson		State TN Zip 37831	
SIC Code 3499		Dun & Brad Number		Emergency Contact	
ID #		Name Plant Shift Superintendent		Title	
Date Received		Phone (423) 576 7172		24 Hr. Phone (423) 576 7172	
FOR OFFICIAL USE ONLY		Name DOE Emergency Response Center		Title	
		Phone (423) 576 1005		24 Hr. Phone (423) 576 1005	
Specific Information by Chemical		Important: Read all instructions before completing form		Check if information below is identical to the information submitted last year.	
Reporting Period From January 1 to December 31, 19 96					
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory	
CAS 0000067561 Trade Secret		Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒		Container Type Temperature Pressure	
Chem. Name METHANOL		Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		D 4 1 9202-2; 9767-13; 9767-4	
EHS Name				F 4 1 9201-1; 9201-3; 9201-5; 9201-5E	
CAS 0000067561 Trade Secret		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		F 4 1 9204-2; 9204-2E; 9204-4; 9212; 9215	
Chem. Name METHANOL (cont'd)		Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		F 4 1 9204-16; 9223-25; 9738	
EHS Name				F 4 2 9201-5N; 9212; 9215	
CAS 0000067561 Trade Secret		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		M 4 1 9201-5; 9202; 9203; 9204-2; 9204-4	
Chem. Name NITRIC ACID		Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		M 4 1 9207; 9215; 9220-2; 9737; 9769	
EHS Name				M 4 1 9995; Union Valley Facility	
CAS 0000067561 Trade Secret		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		N 4 1 9201-5E; 9208; 9401-3; 9720-2	
Chem. Name NITRIC ACID		Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		N 4 1 9723-25	
EHS Name				N 4 2 9723-25	
CAS 0000067561 Trade Secret		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		R 4 1 9720-2	
Chem. Name NITRIC ACID		Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		A 4 1 9206; 9815	
EHS Name				C 4 1 9206 / 2nd Floor / Room 100E	
CAS 0000067561 Trade Secret		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		C 4 1 9212 / B-1 Wing / Penthouse	
Chem. Name NITRIC ACID		Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS		D 4 1 9204-3 / 2nd Floor	
EHS Name				M 4 1 9201-5 / 2nd Floor	
CAS 0000067561 Trade Secret		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐		M 4 1 9201-5N / 1st Floor / Plating Shop	
Chem. Name NITRIC ACID		Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS			
EHS Name					
Optional Attachments		Optional Attachments		Optional Attachments	
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.		Signature		Date signed	
Name and official title of owner/operator OR owner/operator's authorized representative		Signature		Date signed	

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3</u> <u>4</u> <u>9</u> <u>9</u> Dun & Brad Number _____ ID # _____ Date Received _____ FOR OFFICIAL USE ONLY		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title _____ Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title _____ Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>		Check if information below is identical to the information submitted last year. ☐	
		Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u>		Check if information below is identical to the information submitted last year. ☐			
Chemical Description CAS <u>0</u> <u>0</u> <u>7</u> <u>6</u> <u>9</u> <u>7</u> <u>3</u> <u>7</u> <u>2</u> Trade Secret ☐ Chem. Name <u>NITRIC ACID (cont'd)</u> Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u>NITRIC ACID</u>		Physical and Health Hazards (check all that apply) ☒ File ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		Inventory ☐ <u>0</u> <u>5</u> Max. Daily Amount (code) ☐ <u>0</u> <u>5</u> Avg. Daily Amount (code) ☐ <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)		Storage Codes and Locations (Non-Confidential) Storage Locations Container Type Temperature Pressure M 4 1 9202; 9203 M 4 1 9204-2E / 3rd Floor / Room 316 M 4 1 9204-3 / 1st Floor M 4 1 9204-4 / 2nd Floor / Plating Shop M 4 1 9207 / 1st Floor / Room 7-1006 M 4 1 9212 / E Wing / Room 1021	
CAS <u>0</u> <u>0</u> <u>7</u> <u>6</u> <u>9</u> <u>7</u> <u>3</u> <u>7</u> <u>2</u> Trade Secret ☐ Chem. Name <u>NITRIC ACID (cont'd)</u> Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u>NITRIC ACID</u>		☒ File ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		☐ <u>0</u> <u>5</u> Max. Daily Amount (code) ☐ <u>0</u> <u>5</u> Avg. Daily Amount (code) ☐ <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)		M 4 1 9401-2 / Plating Shop / Annex M 4 1 9616-7; 9731; 9769; 9995 M 4 1 Union Valley Facility M 4 1 9769; 9995	
CAS <u>0</u> <u>0</u> <u>7</u> <u>7</u> <u>2</u> <u>7</u> <u>3</u> <u>7</u> <u>9</u> Trade Secret ☐ Chem. Name <u>NITROGEN</u> Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____		☒ File ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		☐ <u>0</u> <u>5</u> Max. Daily Amount (code) ☐ <u>0</u> <u>5</u> Avg. Daily Amount (code) ☐ <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)		A 7 2 9977-1 L 4 2 9201-2 / Weld Shops; 9201-3 L 4 2 9204-2E; 9401-1; 9401-5; 9420; 9735 L 4 2 9737; 9738; 9769; 9808; 9995 L 7 2 9204-3; 9206; 9212	
Certification (Read and sign after completing all sections)						Optional Attachments	
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Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____ Date signed _____							

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone (<u>423</u>) <u>576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone (<u>423</u>) <u>574 7172</u> 24 Hr. Phone (<u>423</u>) <u>574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone (<u>423</u>) <u>576 1005</u> 24 Hr. Phone (<u>423</u>) <u>576-1005</u>																						
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year.																						
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory																						
CAS <u>007782447</u> Trade <u> </u> Secret <u> </u> Chem. Name <u>OXYGEN</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container Type</td> <td>Temperature</td> <td>Pressure</td> </tr> <tr> <td>A 7 2</td> <td>7 2</td> <td>9723-25; 9738 / Foundry; 9977-1</td> </tr> <tr> <td>L 4 2</td> <td>4 2</td> <td>2002; 2005; 9201-2</td> </tr> <tr> <td>L 4 2</td> <td>4 2</td> <td>9204-2 / Maintenance</td> </tr> <tr> <td>L 4 2</td> <td>4 2</td> <td>9204-2E / 2nd Floor; 9215 / M Wing</td> </tr> <tr> <td>L 4 2</td> <td>4 2</td> <td>9420; 9709 / Weld Test Shop; 9720-6</td> </tr> <tr> <td>L 4 2</td> <td>4 2</td> <td>9738 / Foundry; 9769; 9808</td> </tr> </table>		Container Type	Temperature	Pressure	A 7 2	7 2	9723-25; 9738 / Foundry; 9977-1	L 4 2	4 2	2002; 2005; 9201-2	L 4 2	4 2	9204-2 / Maintenance	L 4 2	4 2	9204-2E / 2nd Floor; 9215 / M Wing	L 4 2	4 2	9420; 9709 / Weld Test Shop; 9720-6	L 4 2	4 2	9738 / Foundry; 9769; 9808
Container Type	Temperature	Pressure																								
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CAS <u>007782447</u> Trade <u> </u> Secret <u> </u> Chem. Name <u>OXYGEN (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>		☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container Type</td> <td>Temperature</td> <td>Pressure</td> </tr> <tr> <td>L 4 2</td> <td>4 2</td> <td>9995 / Basement Floor</td> </tr> </table>		Container Type	Temperature	Pressure	L 4 2	4 2	9995 / Basement Floor															
Container Type	Temperature	Pressure																								
L 4 2	4 2	9995 / Basement Floor																								
CAS <u> </u> Trade <u> </u> Secret <u> </u> Chem. Name <u>PETROLEUM OIL</u> Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>		☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container Type</td> <td>Temperature</td> <td>Pressure</td> </tr> <tr> <td>A 4 1</td> <td>4 1</td> <td>9201-3; 9204-2 / PV Room</td> </tr> <tr> <td>D 4 1</td> <td>4 1</td> <td>2005; 9201-1; 9201-5; 9201-5E</td> </tr> <tr> <td>D 4 1</td> <td>4 1</td> <td>9201-5N; 9201-5W; 9204-2; 9204-2E</td> </tr> <tr> <td>D 4 1</td> <td>4 1</td> <td>9204-4; 9206; 9208; 9211</td> </tr> <tr> <td>D 4 1</td> <td>4 1</td> <td>9212 / A Wing; 9212 / E Wing</td> </tr> <tr> <td>D 4 1</td> <td>4 1</td> <td>9215 / Basement; 9215 / M Wing</td> </tr> </table>		Container Type	Temperature	Pressure	A 4 1	4 1	9201-3; 9204-2 / PV Room	D 4 1	4 1	2005; 9201-1; 9201-5; 9201-5E	D 4 1	4 1	9201-5N; 9201-5W; 9204-2; 9204-2E	D 4 1	4 1	9204-4; 9206; 9208; 9211	D 4 1	4 1	9212 / A Wing; 9212 / E Wing	D 4 1	4 1	9215 / Basement; 9215 / M Wing
Container Type	Temperature	Pressure																								
A 4 1	4 1	9201-3; 9204-2 / PV Room																								
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Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____ Date signed _____																										

Storage Codes and Locations (Non-Confidential)

Storage Locations

Container Type Temperature Pressure

A 7 2 9723-25; 9738 / Foundry; 9977-1
 L 4 2 2002; 2005; 9201-2
 L 4 2 9204-2 / Maintenance
 L 4 2 9204-2E / 2nd Floor; 9215 / M Wing
 L 4 2 9420; 9709 / Weld Test Shop; 9720-6
 L 4 2 9738 / Foundry; 9769; 9808

9995 / Basement Floor

L 4 2

A 4 1 9201-3; 9204-2 / PV Room
 D 4 1 2005; 9201-1; 9201-5; 9201-5E
 D 4 1 9201-5N; 9201-5W; 9204-2; 9204-2E
 D 4 1 9204-4; 9206; 9208; 9211
 D 4 1 9212 / A Wing; 9212 / E Wing
 D 4 1 9215 / Basement; 9215 / M Wing

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name Oak Ridge Y-12 Plant Street Bear Creek Road City Oak Ridge County Anderson State TN Zip 37831 SIC Code 3499 Dun & Brad Number FOR OFFICIAL USE ONLY ID # Date Received		Owner/Operator Name Name U.S. Department of Energy Phone (423) 576 9850 Mail Address P.O. Box 2001, Oak Ridge, TN 37831 Emergency Contact Name Plant Shift Superintendent Title Phone (423) 574 7172 24 Hr. Phone (423) 574 7172 Name DOE Emergency Response Center Title Phone (423) 576-1005 24 Hr. Phone (423) 576-1005	
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 96 ☐ Check if information below is identical to the information submitted last year.	

Chemical Description	Physical and Health Hazards	Inventory	Storage Codes and Locations (Non-Confidential)	Optional
CAS Chem. Name PETROLEUM OIL (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ File ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	☐ Max. Daily Amount (code) ☐ Avg. Daily Amount (code) ☐ No. of Days On-Site (days) 0 4 0 4 3 6 5	Container Type D 4 1 D 4 1 D 4 1 D 4 1 E 4 1 F 4 1 Temperature 9401-2; 9709; 9712 9714 / TSD Garage; 9720-2; 9727-4 9767-1; 9767-11; 9767-13; 9767-3 9808; 9998 9714 / TSD Garage; 9720-2; 9977-1 2002; 2005; 9201-1; 9201-3; 9201-5	☐
CAS Chem. Name PETROLEUM OIL (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ File ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	☐ Max. Daily Amount (code) ☐ Avg. Daily Amount (code) ☐ No. of Days On-Site (days) 0 4 0 4 3 6 5	Container Type F 4 1 F 4 1 F 4 1 F 4 1 F 4 1 F 4 1 Temperature 9204-1; 9204-2; 9204-2E; 9204-4 9207; 9208; 9212 / A Wing 9212 / B Wing; 9212 / E Wing 9404-16; 9404-20; 9616-9; 9712 9714 / TSD Garage; 9723-21; 9723-25 9737; 9998	☐
CAS Chem. Name PETROLEUM OIL (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ File ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	☐ Max. Daily Amount (code) ☐ Avg. Daily Amount (code) ☐ No. of Days On-Site (days) 0 4 0 4 3 6 5	Container Type M 4 1 N 4 1 N 4 1 N 4 1 N 4 1 N 4 1 Temperature 9401-1; 9404-1 9201-1; 9201-3; 9206; 9737 2002; 2005; 9201-3; 9201-5E 9201-5N; 9204-2; 9212 / E Wing 9215A; 9401-1; 9401-3; 9624 9714 / TSD Garage; 9808	☐

Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures
Name and official title of owner/operator OR owner/operator's authorized representative Signature		Date signed

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name Oak Ridge Y-12 Plant Street Bear Creek Road City Oak Ridge County Anderson State TN Zip 37831 SIC Code 3 4 9 9 Dun & Brad Number FOR OFFICIAL USE ONLY ID # Date Received		Owner/Operator Name Name U.S. Department of Energy Phone (423) 576 9850 Mail Address P.O. Box 2001, Oak Ridge, TN 37831 Emergency Contact Name Plant Shift Superintendent Title Phone (423) 574-7172 24 Hr. Phone (423) 574-7172 Name DOE Emergency Response Center Title Phone (423) 576 1005 24 Hr. Phone (423) 576-1005							
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 96		Check if information below is identical to the information submitted last year. ☐					
Chemical Description		Physical and Health Hazards (check all that apply)		Inventory		Storage Codes and Locations (Non-Confidential) Storage Locations		Optional			
CAS Trade Secret ☐ Chem. Name PETROLEUM OIL (cont'd) Check all that apply: ☐ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name		Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒ Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)		Container Type Pressure R 1 1 9201-3; 9767-13; 9998 R 2 2 9404-1		2005; 9201-1; 9201-2; 9201-3 9201-5; 9202; 9203; 9204-1; 9204-3 9206; 9212; 9219; 9401-1; 9401-3 9404-5; 9404-9; 9420; 9709 9714 / TSD Garage; 9720-6; 9723-21 9737; 9766; 9808; 9824-5; 9959		9996; 9998		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures	
CAS Trade Secret ☐ Chem. Name PROPANE Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name		Fire ☒ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐ Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)		L 1 1 2005; 9201-1; 9201-2; 9201-3 L 2 2 9201-5; 9202; 9203; 9204-1; 9204-3 L 3 3 9206; 9212; 9219; 9401-1; 9401-3 L 4 4 9404-5; 9404-9; 9420; 9709 L 5 5 9714 / TSD Garage; 9720-6; 9723-21 L 6 6 9737; 9766; 9808; 9824-5; 9959		9996; 9998		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures			
CAS Trade Secret ☐ Chem. Name PROPANE (cont'd) Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name		Fire ☒ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic) ☐ Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)		L 1 1 2005; 9201-1; 9201-2; 9201-3 L 2 2 9201-5; 9202; 9203; 9204-1; 9204-3 L 3 3 9206; 9212; 9219; 9401-1; 9401-3 L 4 4 9404-5; 9404-9; 9420; 9709 L 5 5 9714 / TSD Garage; 9720-6; 9723-21 L 6 6 9737; 9766; 9808; 9824-5; 9959		9996; 9998		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures			
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Name and official title of owner/operator OR owner/operator's authorized representative _____ Date signed _____											

Revised June 1980

Facility Identification		Owner/Operator Name																																					
Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Name U.S. Department of Energy Phone (423) 576-9850 Mail Address P.O. Box 2001, Oak Ridge, TN 37831																																					
Name Oak Ridge Y-12 Plant Street Bear Creek Road City Oak Ridge County Anderson State TN Zip 37831 SIC Code 3499 Dun & Brad Number		Emergency Contact Name Plant Shift Superintendent Title Phone (423) 574 7172 24 Hr. Phone (423) 574-7172 Name DOE Emergency Response Center Title Phone (423) 576-1005 24 Hr. Phone (423) 576-1005																																					
FOR OFFICIAL USE ONLY ID # _____ Date Received _____		Check if information below is identical to the information submitted last year. ☐																																					
Important: Read all instructions before completing form		Reporting Period From January 1 to December 31, 19 96																																					
Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations																																				
CAS 0000057556 Trade Secret Chem. Name PROPYLENE GLYCOL Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Max. Daily Amount (code)</td> <td>0</td> <td>4</td> <td>1</td> </tr> <tr> <td>Avg. Daily Amount (code)</td> <td>0</td> <td>3</td> <td>1</td> </tr> <tr> <td>No. of Days On-Site (days)</td> <td>3</td> <td>6</td> <td>5</td> </tr> </table>	Max. Daily Amount (code)	0	4	1	Avg. Daily Amount (code)	0	3	1	No. of Days On-Site (days)	3	6	5	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container Type</td> <td>D</td> <td>4</td> <td>1</td> </tr> <tr> <td>Pressure</td> <td>D</td> <td>4</td> <td>1</td> </tr> <tr> <td></td> <td>D</td> <td>4</td> <td>1</td> </tr> <tr> <td></td> <td>D</td> <td>4</td> <td>1</td> </tr> <tr> <td></td> <td>F</td> <td>4</td> <td>1</td> </tr> <tr> <td></td> <td>M</td> <td>4</td> <td>1</td> </tr> </table>	Container Type	D	4	1	Pressure	D	4	1		D	4	1		D	4	1		F	4	1		M	4	1
Max. Daily Amount (code)	0	4	1																																				
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CAS 0000057556 Trade Secret Chem. Name PROPYLENE GLYCOL (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Max. Daily Amount (code)</td> <td>0</td> <td>4</td> <td>1</td> </tr> <tr> <td>Avg. Daily Amount (code)</td> <td>0</td> <td>3</td> <td>1</td> </tr> <tr> <td>No. of Days On-Site (days)</td> <td>3</td> <td>6</td> <td>5</td> </tr> </table>	Max. Daily Amount (code)	0	4	1	Avg. Daily Amount (code)	0	3	1	No. of Days On-Site (days)	3	6	5	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container Type</td> <td>N</td> <td>4</td> <td>1</td> </tr> <tr> <td>Pressure</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Container Type	N	4	1	Pressure																			
Max. Daily Amount (code)	0	4	1																																				
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No. of Days On-Site (days)	3	6	5																																				
Container Type	N	4	1																																				
Pressure																																							
CAS 0007631905 Trade Secret Chem. Name SODIUM BISULFITE Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Max. Daily Amount (code)</td> <td>0</td> <td>4</td> <td>1</td> </tr> <tr> <td>Avg. Daily Amount (code)</td> <td>0</td> <td>3</td> <td>1</td> </tr> <tr> <td>No. of Days On-Site (days)</td> <td>3</td> <td>6</td> <td>5</td> </tr> </table>	Max. Daily Amount (code)	0	4	1	Avg. Daily Amount (code)	0	3	1	No. of Days On-Site (days)	3	6	5	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container Type</td> <td>A</td> <td>4</td> <td>1</td> </tr> <tr> <td>Pressure</td> <td>E</td> <td>4</td> <td>1</td> </tr> <tr> <td></td> <td>M</td> <td>4</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Container Type	A	4	1	Pressure	E	4	1		M	4	1												
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Pressure	E	4	1																																				
	M	4	1																																				
Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures																																					
Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____ Date signed _____																																							

Facility Identification				Owner/Operator Name			
Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical				Name U.S. Department of Energy Phone (423) 576-9850 Mail Address P.O. Box 2001, Oak Ridge, TN 37831			
City Oak Ridge County Anderson State TN Zip 37831				Emergency Contact Name Plant Shift Superintendent Title Phone (423) 574-7172 24 Hr. Phone (423) 574-7172			
SIC Code 3499 Dun & Bradstreet Number				Name DOE Emergency Response Center Title Phone (423) 576-1005 24 Hr. Phone (423) 576-1005			
FOR OFFICIAL USE ONLY ID # Date Received				Check if information below is identical to the information submitted last year. ☐			
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 96			
Chemical Description		Physical and Health Hazards		Inventory		Storage Codes and Locations (Non-Confidential)	
CAS 0007647145 Trade Secret Chem. Name SODIUM CHLORIDE		Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic) ☐ ☐ ☐ ☒ ☐		Max. Daily Amount (code) 06 Avg. Daily Amount (code) 05 No. of Days On-Site (days) 365		Container Type Pressure Temperature B 4 1 9401-3 H 4 1 9993 J 4 1 2007 K 4 1 2010 N 4 1 9769; 9995; Union Valley Facility	
CAS 0001310732 Trade Secret Chem. Name SODIUM HYDROXIDE		Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic) ☐ ☐ ☒ ☒ ☒		Max. Daily Amount (code) 05 Avg. Daily Amount (code) 05 No. of Days On-Site (days) 365		A 4 1 1404-2; 1405; 9204-2 C 4 1 9404-18; 9616-7 D 4 1 9201-2; 9201-5N; 9204-4; 9206 D 4 1 9401-2; 9805 E 4 1 9206; 9401-2 F 4 1 West Tank Farm	
CAS 0001310732 Trade Secret Chem. Name SODIUM HYDROXIDE (cont'd)		Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic) ☐ ☐ ☒ ☒ ☒		Max. Daily Amount (code) 05 Avg. Daily Amount (code) 05 No. of Days On-Site (days) 365		J 4 1 9401-3; 9720-2 K 4 1 9720-13 M 4 1 9206; 9212; 9805 N 4 1 9104-3; 9109; 9115; 9116; 9119 N 4 1 9201-1; 9201-2; 9201-3; 9201-5 N 4 1 9204-2; 9204-2E; 9204-3; 9207	
Certification (Read and sign after completing all sections)				Optional Attachment:			
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.				☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures			
Name and official title of owner/operator OR owner/operator's authorized representative				Signature			
				Date signed			

Facility Identification		Owner/Operator Name	
Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>		Emergency Contact	
SIC Code <u>3499</u>		Name <u>Plant Shift Superintendent</u> Title _____	
FOR OFFICIAL USE ONLY		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
ID # _____		Name <u>DOE Emergency Response Center</u> Title _____	
Date Received _____		Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	
Important: Read all instructions before completing form		Check if information below is identical to the information submitted last year. ☐	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>001310732</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYDROXIDE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>05</u>		_____	
Avg. Daily Amount (code) <u>05</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>04</u>		_____	
Avg. Daily Amount (code) <u>04</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>04</u>		_____	
Avg. Daily Amount (code) <u>04</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>04</u>		_____	
Avg. Daily Amount (code) <u>04</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>04</u>		_____	
Avg. Daily Amount (code) <u>04</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>04</u>		_____	
Avg. Daily Amount (code) <u>04</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		_____	
Inventory		_____	
Max. Daily Amount (code) <u>04</u>		_____	
Avg. Daily Amount (code) <u>04</u>		_____	
No. of Days On-Site (days) <u>365</u>		_____	
Chemical Description		Storage Codes and Locations (Non-Confidential)	
CAS <u>007681529</u> Trade Secret ☐		Storage Locations	
Chem. Name <u>SODIUM HYPOCHLORITE (cont'd)</u>		_____	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS		_____	
EHS Name _____		_____	
Physical and Health Hazards		Container Type	
Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒			

Revised June 1990

Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number _____ FOR OFFICIAL USE ONLY ID # _____ Date Received _____		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone (<u>423</u>) <u>576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title _____ Phone (<u>423</u>) <u>574 7172</u> 24 Hr. Phone (<u>423</u>) <u>574 7172</u> Name <u>DOE Emergency Response Center</u> Title _____ Phone (<u>423</u>) <u>576-1005</u> 24 Hr. Phone (<u>423</u>) <u>576-1005</u>	
Important: Read all instructions before completing form			
Chemical Description CAS <u>00659971</u> <u>173</u> Trade Secret ☐ Chem. Name <u>SODIUM ZINC POLYPHOSPHATE</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____		Physical and Health Hazards (check all that apply) Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☒	
Inventory Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>03</u> No. of Days On-Site (days) <u>365</u>		Storage Codes and Locations (Non-Confidential) Storage Locations Container Type Temperature Pressure J 4 1 1405	
CAS <u>007664939</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u>SULFURIC ACID</u>		9201-5 / Outside Tank 9401-3 / Main Utilities Area 9616-7 / West End Treatment 9616-9 9401-2 / Plating Shop / Annex	
CAS <u>007664939</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u>SULFURIC ACID</u>		9409-10; 9409-13; 9409-15; 9409-18 9409-2; 9409-20; 9409-22; 9409-22E 9409-23; 9409-24; 9409-26; 9409-28 9409-29; 9409-30; 9409-32; 9409-34 9409-4; 9720-2 1405; 9201-2	
Certification (Read and sign after completing all sections)			
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>25</u> , and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.			
Name and official title of owner/operator OR owner/operator's authorized representative _____		Signature _____ Date signed _____	
		Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures	

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> ID # <u> </u> Date Received <u> </u> FOR OFFICIAL USE ONLY		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>																								
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Container	Temp	Pressure																										
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M 4 1	M 4 1	M 4 1																										
CAS <u>007444061</u> Trade Secret ☐ Chem. Name <u>URANIUM AND URANIUM COMPOUNDS</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS EHS Name <u> </u>		☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		☐ 0 ☒ 6 Max. Daily Amount (code) ☐ 0 ☒ 6 Avg. Daily Amount (code) ☐ 3 ☒ 6 ☒ 5 No. of Days On-Site (days)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container</td> <td>Temp</td> <td>Pressure</td> </tr> <tr> <td>R 4 1</td> <td>R 4 1</td> <td>R 4 1</td> </tr> <tr> <td>R 4 1</td> <td>R 4 1</td> <td>R 4 1</td> </tr> <tr> <td>R 4 1</td> <td>R 4 1</td> <td>R 4 1</td> </tr> <tr> <td>R 4 1</td> <td>R 4 1</td> <td>R 4 1</td> </tr> <tr> <td>R 4 1</td> <td>R 4 1</td> <td>R 4 1</td> </tr> </table>		Container	Temp	Pressure	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	R 4 1	9119; 9201-2; 9201-4; 9201-5 9201-5N; 9202; 9203; 9204-1; 9204-2 9204-2E; 9204-3; 9204-4; 9206; 9207 9212; 9215; 9401-4; 9401-5; 9710-2 9711-1; 9720-1; 9720-12; 9720-18 9720-3; 9720-5; 9735; 9769; 9825A		☐
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Revised June 1990

Facility Identification		Owner/Operator Name																												
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CAS <u>0007440611</u> Trade ☐ Secret ☐ Chem. Name <u>URANIUM AND URANIUM COMPOUNDS (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS ☒ EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Max. Daily Amount (code)</td> <td><u>0</u><u>6</u></td> </tr> <tr> <td>Avg. Daily Amount (code)</td> <td><u>0</u><u>6</u></td> </tr> <tr> <td>No. of Days On-Site (days)</td> <td><u>3</u><u>6</u><u>5</u></td> </tr> </table>	Max. Daily Amount (code)	<u>0</u> <u>6</u>	Avg. Daily Amount (code)	<u>0</u> <u>6</u>	No. of Days On-Site (days)	<u>3</u> <u>6</u> <u>5</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container</td> <td>Type</td> <td>Temperature</td> </tr> <tr> <td>R</td> <td>4</td> <td>1</td> </tr> </table>	Container	Type	Temperature	R	4	1															
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CAS <u>0000057136</u> Trade ☐ Secret ☐ Chem. Name <u>UREA</u> Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS ☒ EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Max. Daily Amount (code)</td> <td><u>0</u><u>5</u></td> </tr> <tr> <td>Avg. Daily Amount (code)</td> <td><u>0</u><u>4</u></td> </tr> <tr> <td>No. of Days On-Site (days)</td> <td><u>3</u><u>6</u><u>5</u></td> </tr> </table>	Max. Daily Amount (code)	<u>0</u> <u>5</u>	Avg. Daily Amount (code)	<u>0</u> <u>4</u>	No. of Days On-Site (days)	<u>3</u> <u>6</u> <u>5</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Container</td> <td>Type</td> <td>Temperature</td> </tr> <tr> <td>E</td> <td>4</td> <td>1</td> </tr> <tr> <td>F</td> <td>4</td> <td>1</td> </tr> <tr> <td>J</td> <td>4</td> <td>1</td> </tr> <tr> <td>K</td> <td>4</td> <td>1</td> </tr> <tr> <td>M</td> <td>4</td> <td>1</td> </tr> <tr> <td>N</td> <td>4</td> <td>1</td> </tr> </table>	Container	Type	Temperature	E	4	1	F	4	1	J	4	1	K	4	1	M	4	1	N	4	1
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Enclosure 1
Letter, Butz to Spence
Dated: February 26, 1997

LETTER TITLE:

**Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996**

LOCKHEED MARTIN ENERGY SYSTEMS, INC.

Post Office Box 2009
Oak Ridge, Tennessee 37831

February 26, 1997

Mr. R. J. Spence
Department of Energy, Oak Ridge Operations
Post Office Box 2001
Oak Ridge, Tennessee 37831

Dear Mr. Spence:

**Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996**

As required by provisions under Section 312, Inventory Reporting, of the EPCRA and Executive Order (EO) 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements, the Y-12 Plant staff is submitting an unclassified version of the Tier-Two Forms (Enclosure 1). **This report contains data for CY 1996 for all hazardous chemicals stored at the Y-12 Plant in quantities equal to or greater than 10,000 pounds and all extremely hazardous substances stored in quantities equal to or greater than 500 pounds or the threshold planning quantity, whichever is lower. To comply with the law and EO 12856, this information must be submitted to the state and local agencies listed below on or before March 1, 1997:**

Tennessee Emergency Response Council
Attention: Ms. Betty Eaves
3141 Sidco Drive
Nashville, Tennessee 37204

Tennessee Emergency Management Agency
Region Emergency Operations Center
Attention: Mr. Charles Sitzlar
836 Louisville Road
Alcoa, Tennessee 37701

Anderson County Local Emergency Planning Committee (LEPC)
Attention: Mr. Ken Fritts
100 North Main Street
Clinton, Tennessee 37716

Mr. R. J. Spence, DOE-ORO

Page 2

February 26, 1997

Knox County LEPC
Attention: Mr. Fred Berry Jr.
City-County Building, Suite L320
400 West Main Street
Knoxville, Tennessee 37902

Loudon County LEPC
Attention: Mr. Bob Lewis
12680 Highway 11W Suite 5
Lenoir City, Tennessee 37771

Roane County LEPC
Attention: Mr. David Blanchard
920 Bonneyview Ave.
Kingston, Tennessee 37763

Oak Ridge Fire Department
City of Oak Ridge
Attention: Mr. Mac Bailey
Post Office Box 1
Oak Ridge, Tennessee 37831-0001

Please forward the enclosed report forms to the referenced state and local agencies. These Tier-Two Forms require a signature of certification by the facility owner or designee. Please note that as per Title 40, Code of Federal Regulations, Part 370.41, submissions to the State Emergency Response Commission, Local Emergency Planning Committee, and Fire Department personnel must each contain an original signature on at least the first page. Subsequent pages must contain either an original signature, a photocopy of the original signature, or a signature stamp. Each page must contain the date on which the original signature was affixed to the first page of the submission and the total number of pages in the submission.

Also included with this submittal is a key to the inventory, temperature, pressure, and container codes used on the report forms (Enclosure 2). This information is included to aid in the interpretation of the data presented. It is not necessary that the code information be forwarded to the referenced state and local agencies. Classified information supporting this document will be maintained on file for review by Q-cleared personnel.

Mr. R. J. Spence, DOE-ORO

Page 3

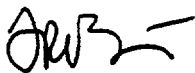
February 26, 1997

I certify that the information in this document and all enclosures related to the Lockheed Martin Energy Systems, Inc., inventory were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Enclosure 3 contains CY 1996 inventory information submitted by personnel from Johnson Controls. Personnel from US West reported no usage or storage of hazardous chemicals or extremely hazardous substances that would require inventory reporting for CY 1996.

If you have any questions, please contact R. A. Evans at 576-4774.

Very truly yours,



T. R. Butz
Y-12 Plant Manager

TRB:krl

Enclosures: As Stated

cc/encs: See Page 4

Mr. R. J. Spence, DOE-ORO

Page 4

February 26, 1997

cc/encs: T. A. Bauckham, US West
J. D. Bolling
W. L. Clements
T. K. Cothron
S. L. Davis, DOE-ORO
R. A. Evans
R. T. Ford
M. Gallahar, DOE-EOC
P. Griffin, Johnson Controls
P. J. Gross, DOE-ORO
H. S. Hackler
R. L. Johnson Jr.
N. Kramer, MK-Ferguson
K. J. Martin
S. M. Peterson
J. D. Rothrock/B. E. Cochran, DOE-ORO
R. L. Sampsel
L. M. Sparks, DOE-ORO
M. Vestal, TDEC
Y-12 Records Services (1)/DOE-OSTI (2)
Y-12 Plant Shift Superintendent
EC Document Control Center-RC

cc: T. R. Butz
R. Bell/J. S. Guilford
F. P. Gustavson
C. C. Hill
J. E. Powell
C. L. Stair

Enclosure 2

Letter, Butz to Spence

Dated: February 26, 1997

LETTER TITLE:

Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996

CODE KEY

INVENTORY

Range Value	Weight Range in Pounds	
	From	To
01	0	99
02	100	999
03	1,000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 Billion	higher than 1 billion

TEMPERATURE AND PRESSURE

<u>Codes</u>	<u>Storage Conditions</u>
	(PRESSURE)
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
	(TEMPERATURE)
4	Ambient temperature
5	Greater than ambient temperature
6	Less than ambient temperature but not cryogenic
7	Cryogenic conditions

STORAGE TYPES

<u>Codes</u>	<u>Types of Storage</u>
A	Aboveground tank
B	Below-ground tank
C	Tank inside building
D	Steel drum
E	Plastic or nonmetallic drum
F	Can
G	Carboy
H	Silo
I	Fiber drum
J	Bag
K	Box
L	Cylinder
M	Glass bottles or jugs
N	Plastic bottle
O	Tote bin
P	Tank wagon
Q	Rail car
R	Other

Enclosure 3
Letter, Butz to Spence
Dated: February 26, 1997

LETTER TITLE:

**Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996**

1093 Commerce Park Drive
Suite 700
Oak Ridge, TN 37830

JOHNSON CONTROLS

January 20, 1997

Mr. Ron Evans
Y-12 EPCRA Coordinator
Lockheed Martin Energy Systems
Bldg. 9115, MS 8219

Dear Mr. Evans:

Johnson Controls' contribution to the Y-12 312 Report for
Calendar Year 1996 is enclosed.

If you need any more information or have questions, feel free to
contact me at 241-2182.

Sincerely,

Paula K. Griffin
Paula K. Griffin
E, S&H Technician

Post-it® Fax Note	7671	Date	1/23	# of pages	19
To	Ron Evans	From	Paula		
Co./Dept.		Call me			
Phone #	6-4774	Phone #	1-2182		
Fax #	4-1880	Fax #			

-C496-

Reporting Date: 02/26/97		Page No. 11	
HAZCOM/EPCRA INVENTORY		Material Controls	
Material & MSDS number CAS No.		Container Information	
		4-2849	
		100g	
		G	
		Type Code	
		K	
		Temp Code	
		4	
		Pressure Code	
		1	
		Avg Daily	
		1000	
		Max Daily	
		1000	
		Min Daily	
		1000	
		Total Ex.	
		1000	
		Solid	
		Liquid	
		Gas	
		Total Ex.	
		1000	
		Master of Use	
		Description of how the material is used, i.e. Filling, Degassing, etc.	
		Road salt	
		Disposal	
		Check One Box	
		Complete days	
		outside if > 365.	
		In Current Inventory	
		Discontinued	
		Substituted	
		Transferred	
		Days on Site	
1	SODIUM CHLORIDE	007447-14-5	
536			

* Material tagged with ☒ can be destroyed
 If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature

Paula K. Griffin

Reporting Date: 02/26/94

Page No: 4

HAZCOM/EPCRA INVENTORY

Johnson Controls

1001

41-2899

Long

Material & MSDS under CAS No.	Chemical System Revised	Max Daily	Avg Daily	Annual Usage	Unit	Container Information			Master of Use Description of how the material is used, i.e. mixing, degreasing, etc.	Disposition Check One Box Complete days ends if < 365.
						Type Code	Temp Code	Pressure Code		
DIESEL FUEL	☐ Solid ☐ Liquid ☐ Gas					7	4	1	Put	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
27 GASOLINE, REGULAR UNLEADED	☐ Solid ☒ Liquid ☐ Gas	15	10	600		12	4	1	Duplicate	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
27 GASOLINE, REGULAR UNLEADED	☐ Solid ☒ Liquid ☐ Gas	20000	20000			12	4	1	Put	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐

Signature: *Paras K. G. G.*

* Materials flagged with ☒ are exempt from EPCRA reporting requirements. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

HAZCOM / EPCRA INVENTORY

Page No. _____

Reporting Date: 01/21/96

Material & MSDS and/or CAS No.	Chemical Status Solid ☐ Liquid ☒ Gas ☐	Max Qty	Avg Daily	Annual Usage	Unit	Container Information			Measure of the Description of how the material is used, its flaring, degassing, etc.	Disposition Check the box Complete days within 30 days of 1995
						Type Code	Temp Code	Pressure Code		
NICKEL COMPOUNDS	Solid ☐ Liquid ☒ Gas ☐	60	2.5	1500	lb	N	4	1	Anti-acid compound	☒ In Current Inv. ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
OXYGEN	Solid ☐ Liquid ☐ Gas ☒	100	25	2500	lb	L	4	2	Welding	☒ In Current Inv. ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
1133 007782-44-7 PETROLEUM OIL	Solid ☐ Liquid ☒ Gas ☐	337	337	337	gal	N	4	1	Machinery oil	☒ In Current Inv. ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
	Total lbs.	501	501	501	gal					

* Materials tagged with ☒ are controlled.
 If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature



Reporting Date: 09/09/96 Page No. _____

HAZCOM / EPCRA INVENTORY

Inventory Control: 11501 074-3000

Material & MSDS and/or CAS No.	Chemical State as Received	Max Poly	Avg Daily	Annual Usage	Unit	Container Information			Master of Use Description of how the material is used, i.e. Piling, Degreasing, etc.	Disposition (check one box) Complete days onsite if < 30 days
						Type Code	Temp Code	Pressure Code		
HYDRAULIC OIL	☒ Solid ☒ Liquid ☐ Gas	35	15	100	Barrel(s)	P	4	1	For hydraulic machinery	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: _____
LITHIUM CHLORIDE	☐ Solid ☒ Liquid ☐ Gas	100	100	300	Can(s)	E	4	1	Dehumidifier	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: _____
1115 007447-41-8 LUBRICATION OILS	☐ Solid ☒ Liquid ☐ Gas	100	25	250	Can(s)	E	4	1	Lubricant for machinery	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: _____
1000043 NAPHTHA	☐ Solid ☒ Liquid ☐ Gas	100	15	150	Can(s)	E	4	1	Parts wash	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: _____

Signature: Paula Kiffin

* Materials Segregated with ☒ are contingent
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity data.

Reporting Date: 06/24/94 Page No. 1

HAZCOM / EPCRA INVENTORY

Inventory No. 1002

Inventory Date 06/24/94

Material & MSDS and/or CAS No.	Chemical Status			Mass Daily	Avg Daily	Actual Usage	Unit	Container Information			Manner of Use Description of how the material is used, i.e. Plating, Degreasing, etc.	Disposition Check the box Complete days on site if < 30 days
	Solids	Liquids	Gases					Type Code	Temp. Code	Pressure Code		
AMMONIA	☐	☒	☐			25	25	25	1	4	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
273												
ARGON	☐	☐	☒			100	100	100	1	4	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
1730												
ETHANOL (10%) GASOLINE	☐	☐	☐			330	330	330	1	4	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
0007440971												
GASOLINE, REGULAR UNLEADED	☐	☒	☐			350	350	350	1	4	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
87203												

Signature: *Paula R. Guffin*

* Materials shipped with ☒ are considered
if total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

ADP

81dg

Diesel 1404-1

gallons

1000 | 1000 | 3000

River Generator

11.11.11

HAZCOM / EPCRA INVENTORY

Reporting Date: 02/28/05 Page No: 1

Material & MSDS number CAS No.	Chemical State as Received	Max Qty	Avg Qty	Actual Usage	Unit	Container Information			Material of the Description of how the material is used, in. filling, degassing, etc.	Disposition Check One Box Complete all boxes if < 300 lbs.
						Type Code	Temp. Code	Pressure Code		
DIESEL FUEL	☐ Solid ☒ Liquid ☐ Gas	1000	300	300	Gallons	A	4	1	Emergency power.	☒ In Current Inv. ☐ Discarded ☐ Relabeled ☐ Transferred
Total lbs.		1000	300	300						Days on Site:

Signature: Paula Griffin

HAZCOM / EPCRA INVENTORY

Reporting Date: 9/2/94

Material & MSDS and/or CAS No.		Chemical State as Received	Max Bulb	Avg Daily	Actual Usage	Unit	Container Information				Manner of Use	Disposition
							Type Code	Temp Code	Pressure Code			
CALCIUM CHLORIDE		Solid ☒ Liquid ☐ Gas ☐	300	300	1000	lb	K	4	1		Ice and snow melt	☒ In Current level ☐ Discarded ☐ Substituted ☐ Transferred Days on Site:
401 010043-52-4		Total lbs.	300	300	1000							

Johnson Controls

Johnson Controls

4-3050

Signature: *Barbara K. Gillin*

* Materials tagged with 22 are carcinogenic. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

HAZCOM / EPCRA INVENTORY

Reporting Date: 08/24/96

Material & MSDS and/or CAS No.	Chemical Status as Received	Mass Dirty	Avg Daily	Annual Usage	Unit	Container Information				Manner of Use Description of how the material is used, i.e. Pulverizing, Degreasing, etc.	Disposition (Check One Box) Complete days onsite if < 30 days	
						Type Code	Temp. Code	Pressure Code	Volume			
SODIUM CHLORIDE	☒ Solid	300	32	1000	16	1	4	1	4	1	1	☒ To Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: ☐
536	☐ Liquid ☐ Gas											☐ To Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: ☐
SORBAL	☒ Solid	100	100	300	16	1	4	1	4	1	1	☒ To Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: ☐
	☐ Liquid ☐ Gas											☐ To Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: ☐

Signature: Paula K. Griffin

* Materials flagged with ☒ are carcinogenic. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

HAZCOM / EPCRA INVENTORY

Reporting Date: 02/24/97

Page No: 1

Material & MSD's and/or CAS No.	Chemical State as Received	Max Bulk	Avg Daily Usage	Annual Usage	Container Information			Manner of Use Description of how the material is used, i.e. Flaming, Degreasing, etc.	Disposition Check One Box Complete days on file if < 30 days
					Type Code	Temp Code	Pressure Code		
LITHIUM CHLORIDE	Solid ☐ Liquid ☒ Gas ☐	110	110	110	E	2	1	Dehumidifier	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
1115 807447-41-8 NALCO 8768 36% ALUMINUM CHLORIDE	Solid ☐ Liquid ☒ Gas ☐	2000	3000	3000	G	4	1	For use in water.	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
SODIUM HYDROXIDE	Solid ☐ Liquid ☒ Gas ☐	1400	1400	1400	A	3	1	For use in water.	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
543 801318-73-2 SODIUM SILICOFLOURIDE	Solid ☒ Liquid ☐ Gas ☐	5225	1700	4000	7	4	1	For use in water.	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
5126 014899-82-4	Solid ☐ Liquid ☐ Gas ☐	3275	1100	1100					☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:

Signature: Paul R. Giff

* Material is flagged with ☒ per corresponding IF (total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields)

Page No. _____

HAZCOM / EPCRA INVENTORY

Reporting Date: 02/20/94

Material & MSDS and/or CAS No.		Chemical Storage Method	Max Daily	Avg Daily	Actual Usage	Unit	Container Information				Description of how the material is used, i.e., Filling, Degassing, etc.	Disposition Check One Box Complete days needed if < 365.
							Type Code	Temp. Code	Pressure Code			
SULFURIC ACID		☐ Solid ☒ Liquid ☐ Gas					M	4	1		Lab use.	☒ In Current Inv. ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: _____
351 607604-93-9 Sodium Zinc Polyphosphate			2	2	0.5	Quart					Corrosion inhibitor in water production	Current
Total lbs.			2	2	0.5							
Solid												
Liquid												
Gas												
Total lbs.			2	2	0.5							
Solid												
Liquid												
Gas												

* Materials tagged with ☒ are exempt from EPCRA reporting
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity boxes.

Signature Paula K. Gillis

HAZCOM / EPCRA INVENTORY

Reporting Date: 02/18/96

Page No: 1

Material & MSDS number CAS No.	Chemical State as Received	Max Daily	Avg Daily	Annual Usage	Container Information			Master of the Description of how the material is used, its future, degrading, etc.	Disposition Check One Box Complete date must be < 365.
					Type Code	Temp Code	Pressure Code		
ALUMINUM CHLORIDE	Solid							we no longer use this	☒ In Current Inventory ☒ Discontinued ☐ Substituted ☐ Transferred Days on Site:
CARBON DIOXIDE	Solid							Calibration gas	☒ In Current Inventory ☒ Discontinued ☐ Substituted ☐ Transferred Days on Site:
785 CHLORINE	Gas	10	10	1	L	4	2	For use in water	☒ In Current Inventory ☒ Discontinued ☐ Substituted ☐ Transferred Days on Site:
281 HYDROCHLORIC ACID	Liquid	11000	5000	8400	L	4	2	Lab use	☒ In Current Inventory ☒ Discontinued ☐ Substituted ☐ Transferred Days on Site:
120	Gas	2	2	0.5	M	4	1		☒ In Current Inventory ☒ Discontinued ☐ Substituted ☐ Transferred Days on Site:

Signature: *Paula K. Giff*

* Materials tagged with ☒ are exemptible. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

HAZCOM / EPCRA INVENTORY

Page No.

Reporting Date: 06/24/96

Material & MSDS and/or CAS No.	Chemical State as Received	Max Qty	Avg Qty	Assess Usage	Unit	Container Information			Manner of Use Description of how the material is used, i.e., Picking, Degreasing, etc.	Disposition Check One Box Complete days within 10 days
						Type Code	Temp. Code	Pressure Code		
CHLORINE GAS	Solid ☐ Liquid ☐ Gas ☒	7000	3000	3000	105	L	4	2	For use in water.	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site:
241 007712-50-5	Total Bx. ☐	7000	3000	3000	105					
SODIUM HYDROXIDE	Solid ☐ Liquid ☒ Gas ☐	1400	1400	0	63 L	A	4	1	For use in water.	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site:
543 001310-73-2	Total Bx. ☐	1400	1400	0						

* All entries supplied with ☒ are considered
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature: Paula K. Gifford

Reporting Date: 02/04/96 Page No. 15

HAZCOM / EPCRA INVENTORY

Johnson Controls

574-9450

574-9450

Material & MSDS and/or CAS No.	Checklist Status			Amount			Container Information			Manner of Use Description of how the material is used, Leaking, Degassing, etc.	Disposition Check One Box Complete days on file if < 30 days
	Received	Min Daily	Max Daily	Type Code	Temp. Code	Pressure Code	Amount	Unit			
PROPANE	☒	1200	5316	1	4	2			Fuel	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐	
SAFETY ADSORBENT	☒	500	5400	1	4	1			Oil dry.	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐	
SILFLURIC ACID	☒	600	5400	1	4	2			Batteries	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐	
SULFURIC ACID	☒	10	5400	1	4	2			Batteries	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐	
	☒	200	5400	1	4	2			Batteries	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐	

Signature: Paula K. Guffin

Materials tagged with ☒ are exempt from EPCRA reporting. If total job site inventory is not necessary to complete the table, liquid, or gas quantity table.

	Material & MSDS under CAS No.	Chemical State as Received	Max Qty	Avg Daily Usage	Anual Usage	Unit	Custmer Information Type Code	Temp. Code	Pressure Code	Manner of Use Description of how the material is used, i.e., filling, degassing, etc.,	Disposition Check One Box Complete days until if < 365. ☐ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
a	LUBRICATION OILS	Solid ☒ Liquid ☒ Gas ☐	400	50	180	lbs	P	4	1	Vehicle used equipment oil	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
	1000045	Total lbs.	400	270	270						
	OXYGEN	Solid ☐ Liquid ☐ Gas ☒					L	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
	00792-44-7	Total lbs.	200	200	200						
	PETROLEUM OIL	Solid ☐ Liquid ☒ Gas ☐	200	350	350	Gallons	N	4	1	Vehicle	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
		Total lbs.	200	350	350						
	PROPANE	Solid ☐ Liquid ☒ Gas ☐					L	4	2		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file:
	00074-36-6	Total lbs.	600	600	600					Duplicate	
	323	Total lbs.	600	600	600						

* Materials shipped with  are cartons only. If total pounds are known, it is not necessary to complete this field. Liquids or powders require special handling.

Paula K. P. H.

HAZCOM / EPCRA INVENTORY

Page No. 12

Reporting Date: 09/24/96

Inventory Control		Inventory Location		Inventory Description		Inventory Quantity		Inventory Status		Inventory Disposition	
Material ID	Material Name	Location	Description	Quantity	Unit	Status	Disposition	Quantity	Unit	Status	Disposition
919	ETHYLENE GLYCOL	000107-21-1	000107-21-1	100	Gal	100	100	100	Gal	100	100
919	GASOLINE, REGULAR UNLEADED	000107-21-1	000107-21-1	100	Gal	100	100	100	Gal	100	100
919	GASOLINE, REGULAR UNLEADED	000107-21-1	000107-21-1	100	Gal	100	100	100	Gal	100	100
919	HYDRAULIC OIL	000107-21-1	000107-21-1	100	Gal	100	100	100	Gal	100	100

Signature: Paula K. Giff

* Materials flagged with ☒ are carcinogenic. If total quantities are known, it is not necessary to sample the entire liquid, or gas quantity listed.

HAZCOM / EPCRA INVENTORY

Reporting Date: 02/2/94

Material & MSDS and/or CAS No.	Chemical State in Storage	Inventory			Inventory			Inventory			Material of Use Description of how the material is used, its piping, degassing, etc.	Disposition Check One Box Complete days within 15 days if < 15%
		Max Qty	Avg Qty	Actual Qty	Type Code	Pressure Code	Temp. Code	Type Code	Pressure Code	Temp. Code		
DIATOMACEOUS EARTH 061790-33-3	Solid ☒ Solid ☐ Liquid ☐ Gas Total lbs. 1700	200	200	1700	1	1	1	1	1	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: 1	
DIESEL FUEL	Liquid ☒ Solid ☐ Liquid ☐ Gas Total lbs. 500	500	500	500	1	1	1	1	1	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: 1	
DIESEL FUEL	Liquid ☒ Solid ☐ Liquid ☐ Gas Total lbs. 500	500	500	500	1	1	1	1	1	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: 1	
STYRENE MONOMER	Liquid ☒ Solid ☐ Liquid ☐ Gas Total lbs. 500	500	500	500	1	1	1	1	1	1	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: 1	

Signature: Paula Griffin

* Materials tagged with ☒ are not required to complete the solid, liquid, or gas quantity field.
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity field.

Inventory Number	Material & MSDS under CAS No.	Chemical State as Received	Net Weight	Gross Weight	Annual Usage	Unit	Container Information			Manner of Use Description of how the material is used, Le. Filling, Degassing, etc.	Disposition Check One Box Complete days on file - 315
							Type Code	Temp. Code	Pressure Code		
1710	ARGON	Solid					L	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐
1710	ARGON	Liquid					L	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐
1710	CARBON DIOXIDE / Argon 250g my	Solid					L	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐
785	CARBON DIOXIDE	Liquid					L	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: ☐

Signature: Paula Kipilis

Merchandise shipped with ☒ are cartage and freight. If not cartage and freight, it is not necessary to complete the bill. Inland or foreign goods.

HAZCOM / EPCRA INVENTORY

[illegible]

• **Watermark** Request via **QR** code

Paula K. Gill