

APPROVAL AND CERTIFICATION CENTER  
ELECTRIC CAP LAMPS  
APPROVED UNDER PART 19

| <u>APRL. #</u> | <u>COMPANY</u>                         | <u>ISSUE DT.</u> | <u>DESCRIPTION</u>                                 |
|----------------|--|------------------|--|
| 17             | KOEHLER MFG.<br>(KOEHLER- BRIGHT STAR) | 08/14/39         | LQ WHEAT MODEL Q LAMP                              |
| 17             | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR)  | 05/02/40         | GQ WHEAT MODEL Q LAMP                              |
| 18             | EDISON STORAGE<br>BATTERY CO.          | 10/17/41         | MODEL H LAMP                                       |
| 20             | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR)  | 08/14/39         | LW WHEAT MODEL W LAMP                              |
| 20             | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR)  | 03/13/40         | GW WHEAT MODEL W LAMP                              |
| 24             | EDISON STORAGE<br>BATTERY CO.          | 06/22/31         | MODEL J LAMP                                       |
| 25             | EDISON STORAGE<br>BATTERY CO.          | 08/19/31         | MODEL K LAMP                                       |
| 25             | EDISON STORAGE                         | 12/10/41         | MODEL K3E LAMP                                     |
| 26             | THOMAS A. EDISON CO.                   | 03/03/39         | MODEL P3K LAMP                                     |
| 26             | THOMAS A. EDISON CO.                   | 12/10/41         | MODEL P3E LAMP                                     |
| 28             | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR)  | 09/26/40         | WHEAT MODEL GM                                     |
| 29             | THOMAS A. EDISON CO.                   | 04/22/49         | MODEL R-4 LAMP                                     |
| 10C-35         | WOLF SAFETY LAMP CO.<br>LTD.           | 06/18/64         | No. 0444/U and No. 0445/U<br>WOLF "AIRTURBO" LAMPS |
| 6D-30          | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR)  | 11/19/58         | MODEL 282 WHEAT                                    |
| 6D-31          | THOMAS A. EDISON CO.                   | 04/16/59         | TYPE S LAMP WITH MDL.<br>"P" HEADPIECE & MDL. R4   |

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|                    |                                       |                  | BATTERY                              |
| 6D-32              | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR) | 05/13/59         | MDL. 287-1A CAP LAMP                 |
| 6D-33              | ELECTRIC STORAGE<br>BATTERY CO.       | 11/27/62         | MDL. SX CAP LAMP                     |
| 6D-34<br>WITHDRAWN | MINE SAFETY APPLIANCES                | 07/01/63         | A-89900 MINE SPOT                    |
| 6D-35              | DOMINIT WERKE GMBH                    | 07/13/64         | TYPE KS3011                          |
| 6D-36              | KOEHLER MFG.<br>(KOEHLER-BRIGHTSTAR)  | 06/28/67         | MDL. 5200                            |
| 6D-37              | MSA - WITHDRAWN                       | 12/01/67         | MDLS ML-1 & ML-2 MINE SPOT           |
| 6D-38              | OCENCO                                | 08/20/74         | FLUORESCENT CAP LAMP                 |
| 6D-39              | KOEHLER MFG.<br>(KOEHLER-BRIGHT STAR) | 11/19/82         | 4V, BATTERY PWRD MDL. 5800           |
| 6D-40              | KOEHLER<br>(KOEHLER-BRIGHT STAR)      | 05/05/83         | 4V, BATTERY PWRD MDL. 6100           |
| 6D-41              | ENERGY RESEARCH                       | 07/05/84         | 3.6V, BATTERY PWRD MDL. C-15         |
| 6D-42              | N L TECH DIV OF<br>LEVITT SAFETY      | 04/19/85         | MDL. YL2000 "NORTHERN<br>LIGHT"      |
| 6D-43<br>WITHDRAWN | MSA                                   | 05/07/85         | 4.V, BATTERY PWRD MDL. ML-<br>200    |
| 6D-44              | KW BATTERY CO.                        | 02/05/86         | MODEL 901D08 "METHALARM"<br>CAP LAMP |
| 6D-45              | KW BATTERY CO.                        | 02/24/86         | 4V, MODEL 900D87 CAP LAMP            |
| 6D-46              | MINE SITE TECH PTY.                   | 06/21/91         | 4V, BATTERY POWERED,                 |

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|                |  |                  | MODEL PED1 PERMISSIBLE<br>PAGING RECEIVING/CAP LAMP   |
| 6D-47          | CONSPEC CONTROLS   | 10/10/91         | MDL. FC-200 PERMISSIBLE CAP<br>LAMP   |
| 6D-48          | KOEHLER MFG. CO.<br>(KOEHLER-BRIGHT STAR)  | 04/25/96         | 4V, BATTERY PWRD MDL. E<br>CAP LAMP   |
| 6D-49          | MSA<br>(PARTIAL TRANSFER<br>TO HAWKER TRACTION)<br>(TRANSFERRED TO<br>DENCHI POWER LTD.) | 10/21/97         | MODELS LUMINATOR<br>POWERCELL AND POWERCELL<br>PLUS ELECTRIC CAP LAMPS  |
| 6D-50          | KOEHLER-BRIGHT STAR  | 06/12/01         | MODEL MARK II, SERIES 5100-G<br>MODEL E, SERIES 6400, MODEL<br>WHEAT ELECTRIC, SERIES 5200<br>PERMISSIBLE CAP LAMP                    |
| 19-A040001     | KOEHLER-BRIGHT STAR  | 09/09/04         | WHEAT LI-16 ELECTRIC CAP<br>LAMP SYSTEM   |
| 19-A040002     | RUPPRECHT &<br>PATASHNICK  | 10/01/04         | MODEL 3600 PERSONAL DUST<br>MONITOR WITH INTEGRAL CAP<br>LAMP   |
| 19-A080001     | MINE SITE TECH.  | 01/24/08         | ICCL INTEGRATED<br>COMMUNICATIONS CAP LAMP<br>WITH OPTIONAL TAG AND PED<br>ASSEMBLED ACCORDING TO<br>DRAWING NO. CL_92M-F,<br>REV A.2 |
| 19-A080002     | NL TECHNOLOGIES  | 12/18/08         | MODEL ECLIPSE CAP LAMP<br>ASSEMBLY  |
| 19-A090001     | UNITED MINING EQUIP.   | 06/16/09         | NEW WISDOM MODEL KL5M   |

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| (Partial Revocation) | (Transferred to PittLite Inc.)<br>(Transferred to New Wisdom)    |                  | LED MINER'S CAP LAMP ASSY<br>Model WISDOM-KL5M-11 (2-cell version) Revoked<br>Model WISDOM-KL5M-Plus (2-cell version) Revoked<br>The 3-cell versions of these models are still MSHA approved. |
| 19-A100001           | NL TECHNOLOGIES  | 06/14/10         | MODEL POLARIS ALL IN ONE CAP LAMP ASSEMBLY  |
| 19-A100002           | XEREBRUS, INC.   | 08/10/10         | MODEL FLARE XM-1 CAP LAMP   |
| 19-A110001           | KOEHLER-BRIGHT STAR  | 11/22/11         | MODEL CORDLESS WHEAT CAP LAMP   |
| 19-A140001           | NL TECHNOLOGIES  | 03/14/14         | MODEL GENESIS ALL-IN-ONE (AIO) CAP LAMP WITH TAG ASSEMBLY   |
| TRACKING             |  |                  |   |
| 19-A140002           | DMK INC.   | 12/18/14         | MODEL KL4.5 LM LED CAP LAMP ASSEMBLY  |
| 19-A160001           | XEREBUS, INC.  | 03/04/16         | MODEL FLARE XM-2 CAP LAMP   |
| 19-A160002           | PittLite, Inc.<br>(Transferred to New Wisdom Investment Limited) | 04/11/16         | MODEL WISE LITE 2 CAP LAMP ASSEMBLY   |
| 19-A160003           | Bayco Products   | 08/22/16         | MODEL XPP-5560 CAP LAMP   |
| 19-A170001           | Strata Safety Products   | 01/26/17         | MODEL PAD02-CL PERMISSIBLE INTEGRATED ALARM DEVICE (WITH CAP LAMP OPTION)   |
| 19-A180001           | ROOBUCK PTY LTD  | 09/28/18         | MODEL RC2T CAP LAMP ASSEMBLY  |
| 19-A200001           | ROOBUCK PTY LTD  | 03/27/20         | MODEL RC4U & RC4UB CAP LAMP ASSEMBLIES  |

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