

# 신고리 5,6호기 보조기기 기기검증보고서 현황

(한국전력기술(주) 원전안전센터)

2020.03.31

| 기기검증보고서 (EQR) 번호 | 개정번호 | 검증구분   | 규격서 번호 | 업체명                 | 기기번호   | 기기식별  | EQR Current RS | 검증기관명               | 국내/해외 |
|------------------|------|--------|--------|---------------------|--|---|----------------|---------------------|-------|
| E209-ER-B01-01   | 04   | 내환경    | E209   | LS산전(주)             | Various  | Class 1E 480 V AC MCC, Local Starter, Fuse Terminal Box                       | 1              |                     |       |
| E216-ER-B01-01   | 03   | 내환경    | E216   | 현대일렉트릭(주)           | 5/6-841-E-MC01A, 5/6-841-E-MC01B, 5/6-841-E-MC01C, 5/6-841-E-MC01D, 5/6-542-E-SQ01C, 5/6-542-E-SQ01D, 5/6-441-E-SQ02C, 5/6-441-E-SQ02D | Class 1E DC MCC, Local Starter  | 1              |                     |       |
| E230-ER-B01-03   | 04   | 내환경    | E230   | MIRION TECHNOLOGIES | Various  | Electrical Penetration Assemblies (Low voltage Power and Low voltage Control) | 1              | MIRION TECHNOLOGIES | 해외    |
| E230-ER-B02-03   | 03   | 내환경    | E230   | MIRION TECHNOLOGIES | Various  | Electrical Penetration Assemblies (Medium voltage Power)                      | 1              | MIRION TECHNOLOGIES | 해외    |
| E230-ER-B03-03   | 03   | 내환경    | E230   | MIRION TECHNOLOGIES | Various  | Electrical Penetration Assemblies (Instrumentation)                           | 1              | MIRION TECHNOLOGIES | 해외    |
| E230-ER-C01-01   | 01   | 내환경    | E230   | MIRION TECHNOLOGIES | Various  | Electrical Penetration Assemblies (Instrumentation)                           | 2              | MIRION TECHNOLOGIES | 해외    |
| E240-ER-C01-01   | 00   | 내환경    | E240   | MIRION TECHNOLOGIES |  | 관련 Plan이 미제출 및 미승인되어 본문서는 RS 3로 처리됨   | 3              | MIRION TECHNOLOGIES | 해외    |
| E241-ER-A01-01   | 01   | 내환경    | E241   | LS CABLE            | Various  | CLASS 1E POWER , CONTROL AND INSTRUMENT CABLES                                | 1              | NTS                 | 해외    |
| E241-ER-A01-02   | 01   | 내환경    | E241   | LS CABLE            | Various  | CLASS 1E POWER , CONTROL AND INSTRUMENT CABLES                                | 1              | NTS                 | 해외    |
| J217C-ER-B01-01  | 01   | 내환경    | J217C  | HITROL CO., LTD.    | 5/6-481-J-LE/LIT-0050A, 0051B, 0052C, 0053D, 0079A, 0080B, 0085A, 0086B, 0091C, 0092D, 0097C, 0098D                                    | Ultrasonic Type Level Elements and Transmitters                               | 2              | KONEQ               | 국내    |
| J227-ER-B01-01   | 01   | 내환경    | J227   | (주)우진               | STC-101,201,301-1,301-2,401<br>SRD-101, TEW-101, TW-101,201,301,501  | Thermocouple, RTD, Thermowell   |                | AZZ(NLI)            | 해외    |
| J232B-ER-A01-44  | 00   | 내진/내환경 | J232B  | (주)위어인터내셔널          | 5/6-521-V-0101, 0102, 0103, 0104   | Electro-Hydraulic Actuator Assembly   | 2              | CURITSS-WRIGHT      | 해외    |
| J232B-ER-A01-47  | 00   | 내진/내환경 | J232B  | (주)위어인터내셔널          | 5/6-461-V-0901, 0902, 0905, 0906, 5/6-521-V-0131, 0132, 5/6-527-V-0009, 0010, 5/6-633-V-0906A, 0906B                                   | Positioner and Volume Booster   | 2              | KONEQ               | 국내    |

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|------------------|------|--------|--------|--------------|--|--|----------------|----------------------------------|-------|
| J232B-ER-A01-48  | 00   | 내진/내환경 | J232B  | (주)위어인터내셔널   | 5/6-481-V-0006, 5/6-521-V-0090, 0091, 0092, 0093, 0101, 0102, 0103, 0104, 0131, 0132, 0133, 0134, 5/6-527-V-0007, 0008, 0009, 0010, 5/6-541-V-0138, 0139, 5/6-542-V-1015, 1016, 1017, 1018, 5/6-594-V-0001, 5/6-596-V-0020, 5/6-633-V-0906A, 0906B, 5/6-669-V-0004, 5/6-691-V-0030 | Limit Switch with ECSA   | 2              | YONGSUNG                         | 국내    |
| J232B-ER-A01-51  | 00   | 내진/내환경 | J232B  | (주)위어인터내셔널   | 5/6-521-V-0131, 0132   | Pressure Indicator   | 2              | ASHCROFT                         | 해외    |
| J232B-ER-B01-02  | 00   | 내환경    | J232B  | (주)위어인터내셔널   | 5/6-461-V-0901, 5/6-461-V-0902, 5/6-461-V-0905, 5/6-461-V-0906, 5/6-521-V-0131, 5/6-521-V-0132, 5/6-527-V-0009, 5/6-527-V-0010   | Spring Return Pneumatic Actuator   | 2              | KIMM                             | 국내    |
| J232B-ER-B01-03  | 00   | 내환경    | J232B  | (주)위어인터내셔널   | 5/6-521-V-0090, 5/6-521-V-0091, 5/6-521-V-0092, 5/6-521-V-0093, 5/6-521-V-0133, 5/6-521-V-0134, 5/6-527-V-0007, 5/6-527-V-0008, 5/6-541-V-0138, 5/6-541-V-0139, 5/6-594-V-0001, 5/6-596-V-0020, 5/6-669-V-0004   | Spring Return Pneumatic Actuator   | 2              | KIMM                             | 국내    |
| J232B-ER-B01-04  | 01   | 내환경    | J232B  | (주)위어인터내셔널   | 5/6-521-V-0101, 5/6-521-V-0102, 5/6-521-V-0103, 5/6-521-V-0104   | Electro-Hydraulic Actuator   | 2              | CURTISS-WRIGHT                   | 해외    |
| M206-ER-D01-01   | 02   | 내환경    | M206   | 현대중공업터보기계(주) | 5/6-542-M-PP01A/B<br>5/6-542-M-PP02A/B<br>5/6-527-M-TA01A/B  | M/D AUX. FEEDWATER PUMP<br>M/D AUX. FEEDWATER PUMP<br>AUX. FEEDWATER PUMP<br>TURBINE | 1              | NES(NUCLEAR ENGINEERING SERVICE) | 국내    |
| M206-ER-D01-02   | 03   | 내환경    | M206   | 현대중공업터보기계(주) | 5/6-542-M-PP02A/B  | M/D AUX. FEEDWATER PUMP MOTOR  | 1              | SGS                              | 국내    |
| M206-ER-D01-03   | 03   | 내환경    | M206   | 현대중공업터보기계(주) | 5/6-542-M-PP72A/B  | AUX. OIL PUMP  | 1              | NES(NUCLEAR ENGINEERING SERVICE) | 국내    |

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|------------------|------|------|--------|--------------------------------|--|--|----------------|----------------------------------|-------|
| M206-ER-D01-04   | 01   | 내환경  | M206   | 현대중공업터보기계(주)                   | Various  | MANUAL & CHECK VALVES  | 1              | KONEQ                            | 국내    |
| M206-ER-D01-05   | 04   | 내환경  | M206   | 현대중공업터보기계(주)                   | 5/6-542-M-PP01A/B-B3   | SENSOR TERMINAL BLOCK BOX  |                | SGS                              | 국내    |
| M206-ER-D01-06   | 03   | 내환경  | M206   | 현대중공업터보기계(주)                   | 5/6-527-JZZ-3001C, 5/6-527-JZZ-3001D, 5/6-527-JZZ-3002C, 5/6-527-JZZ-3002D   | SPLENROID ACTUATOR   | 1              | NES(NUCLEAR ENGINEERING SERVICE) | 국내    |
| M206-ER-D01-07   | 03   | 내환경  | M206   | 현대중공업터보기계(주)                   | N/A  | Hydraulic Amplifier  | 1              | SGS                              | 국내    |
| M206-ER-D01-08   | 03   | 내환경  | M206   | 현대중공업터보기계(주)                   | 5/6-542-M-PP01A, 5/6-542-M-PP01B   | TURBINE DRIVEN AUX. FEEDWATER PUMP   | 1              | SGS                              | 국내    |
| M206-ER-D01-09   | 04   | 내환경  | M206   | 현대중공업터보기계(주)                   | 5/6-527-V3009, 5/6-527-V3010   | TRIP & THROTTLE VALVE  | 1              | SGS                              | 해외    |
| M206-ER-D01-11   | 03   | 내환경  | M206   | 현대중공업터보기계(주)                   | 5/6-542-M-PP72A, 5/6-542-M-PP72B   | AUX. OIL PUMP  | 1              | NUCLEAR ENGINEERING SERVICE      | 국내    |
| M206-ER-D01-12   | 01   | 내환경  | M206   | 현대중공업터보기계(주)                   | 5/6-527-V3007, 5/6-527-V3008, 5/6-527-M-TP71A/B, 5/6-527-M-TP72A/B   | PRESSURE REGULATING VALVE & STEAM TRAP   | 1              | NES                              | 국내    |
| M206-ER-D01-14   | 02   | 내환경  | M206   | 현대중공업터보기계(주)                   | N/A  | Limit Switch   | 1              |                                  |       |
| M214-ER-C01-01   | 03   | 내환경  | M214   | 신신기계(주)                        | 5/6-595-M-PP01A/B, 5/6-595-M-PP02A/B   | EDG DIESEL FUEL OIL TRANSFER PUMP  | 1              | NUCLEAR ENGINEERING SERVICE      | 국내    |
| M214-ER-C02-01   | 07   | 내환경  | M214   | 신신기계(주)                        | 5/6-595-M-PP01A/B, 5/6-595-M-PP02A/B   | EDG DIESEL FUEL OIL TRANSFER PUMP MOTOR  | 1              | HYOSUNG CORPORATION              | 국내    |
| M227-ER-B01-01   | 06   | 내환경  | M227   | LG전자(주)                        | 5/6-633-M-CH01A/B, 5/6-633-M-CH02A/B   | Essential Chiller  | 1              | SGS                              | 국내    |
| M241-ER-B01-01   | 02   | 내환경  | M241   | (주)무진기연                        | 5/6-553-M-TS09A/B  | Drive Motor for ESW aveling screen   | 1              |                                  |       |
| M243-ER-B01-01   | F    | 내환경  | M243   | WEIR VALVES & CONTROLS UK INC. | 5/6-521-V-0011, 5/6-521-V-0012, 5/6-521-V-0013, 5/6-521-V-0014, 5/6-521-V-0015, 5/6-521-V-0016, 5/6-521-V-0017, 5/6-521-V-0018, 5/6-541-V-0121, 5/6-541-V-0122, 5/6-541-V-0123, 5/6-541-V-0124, 5/6-541-V-0131, 5/6-541-V-0132, 5/6-541-V-0133, 5/6-541-V-0134 | MAIN STEAM ISOLATION VALVE<br>MAIN STEAM ISOLATION VALVE BYPASS VALVE<br>MAIN FEEDWATER ISOLATION VALVE (ECONOMIZER)<br>MAIN FEEDWATER ISOLATION VALVE (DOWNCOMER) |                | WEIR V&C UK                      | 해외    |

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|------------------|------|------|--------|----------------------|--|--|----------------|-------|-------|
| M251-ER-B03-01   | 07   | 내환경  | M251   | LG전자(주)              | Various  | SAFETY-RELATED CUBICLE COOLER  | 1              | DT&C  | 국내    |
| M251-ER-C02-01   | 01   | 내환경  | M251   | LG전자(주)              | 5/6-601-M-HV01A/B  | Control Room Supply Air Handling Unit  | 2              | DT&C  | 국내    |
| M252-ER-B01-01   | 03   | 내환경  | M252   | (주)센추리               | 5/6-M-601-AU01A/B,<br>5/6-M-604-AU02A/B,<br>5/6-M-606-AU01A/02A,<br>5/6-M-606-AU01B/02B  | CONTROL ROOM EMERGENCY MAKEUP ACU,<br>FUEL HANDLING AREA EMERGENCY EXHAUST ACU,<br>AUX. BLDG. CONTROLLED AREA I EMERGENCY EXHAUST ACU,<br>AUX. BLDG. CONTROLLED AREA II EMERGENCY EXHAUST ACU, | 1              | NES   | 국내    |
| M252-ER-B01-02   | 02   | 내환경  | M252   | (주)센추리               | 5/6-601-M-AU01A, 5/6-601-M-AU01B, 5/6-604-M-AU02A, 5/6-604-M-AU02B, 5/6-606-M-AU01A, 5/6-606-M-AU01B, 5/6-606-M-AU02A, 5/6-606-M-AU02B                                     | CONTROLLED ROOM EMERGENCY MAKEUP ACU, FUEL HANDLING AREA EMERGENCY EXHAUST ACU, AUX. BLDG CONTROLLED AREA(I) EMERGENCY EXHAUST ACU, AUX. BLDG CONTROLLED AREA(II) EMERGENCY EXHAUST ACU        | 1              | NES   | 국내    |
| M252-ER-B01-03   | 01   | 내환경  | M252   | (주)센추리               | 5/6-601-M-AU01A, 5/6-601-M-AU01B, 5/6-604-M-AU02A, 5/6-604-M-AU02B, 5/6-606-M-AU01A, 5/6-606-M-AU01B, 5/6-606-M-AU02A, 5/6-606-M-AU02B                                     | CONTROLLED ROOM EMERGENCY MAKEUP ACU, FUEL HANDLING AREA EMERGENCY EXHAUST ACU, AUX. BLDG CONTROLLED AREA(I) EMERGENCY EXHAUST ACU, AUX. BLDG CONTROLLED AREA(II) EMERGENCY EXHAUST ACU        | 1              | NES   | 국내    |
| M252-ER-C01-01   | 04   | 내환경  | M252   | (주)센추리               | 5/6-602-M-HC01A&B, 5/6-602-M-HC02A&B, 5/6-602-M-HC03A&B, 5/6-602-M-HC04A&B, 5/6-602-M-HC05A&B, 5/6-602-M-HC06A&B, 5/6-603-M-HC01A&B, 5/6-603-M-HC03A&B, 5/6-603-M-HC04A&B. | D/G CONTROL PANEL ROOM ELECTRIC DUCT HEATER(EDH), DIESEL FUEL OIL STORAGE TANK VAULT EDH, TANK ROOM EDH, CLASS 1E BATTERY ROOM EDH, REMOTE SHUTDOWN ROOM EDH                                   | 1              | NES   | 국내    |
| M254-ER-B02-01   | 01   | 내환경  | M254   | Hi-Air Korea Co. LTD | Various  | Manual Damper(CK Type)   | 1              |       |       |

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|------------------|------|------|--------|---------|--|--|----------------|-----------------------------|-------|
| M263-ER-B02-01   | 05   | 내환경  | M263   | 현대중공업   | 5/6-591-M-DG01A, 5/6-591-M-DG01B   | CLASS 1E DIESEL GENERATOR including ENGINE   | 1              | MPR                         | 해외    |
| M263-ER-B02-16   | 02   | 내환경  | M263   | 현대중공업   | 5/6-591-M-ZM03A, 5/6-591-M-ZM03B   | Over speed air rack  | 1              | DT&C                        | 국내    |
| M263-ER-B02-22   | 00   | 내환경  | M263   | 현대중공업   | 5/6-591-J-LP02A/B  | Engine Panel   | 2              | SGS                         | 국내    |
| M263-ER-B02-23   | 00   | 내환경  | M263   | 현대중공업   | Various  | Various  |                | SGS                         | 국내    |
| M263-ER-B03-11   | 02   | 내환경  | M263   | 현대중공업   | 5/6-591-M-PP33A, 5/6-591-M-PP01A, 5/6-591-M-PP22A, 5/6-591-M-PP22B, 5/6-591-M-PP33B, 5/6-591-M-PP01B             | PRELUBE OIL PUMP   | 1              | DT&C                        | 국내    |
| M263-ER-B03-12   | 04   | 내환경  | M263   | 현대중공업   | 5/6-591-M-PP33A, 5/6-591-M-PP01A, 5/6-591-M-PP22A, 5/6-591-M-PP22B, 5/6-591-M-PP33B, 5/6-591-M-PP01B             | PRELUBE OIL PUMP, FUEL OIL FEED PUMP, PRE-HEATING HT WATER PUMP  | 1              | WYLE                        | 해외    |
| M263-ER-B04-01   | 02   | 내환경  | M263   | 현대중공업   | 5/6-591-M-DG01A, 5/6-591-M-DG01B   | Emergency diesel generator   | 1              | SGS                         | 국내    |
| M263-ER-B05-01   | 02   | 내환경  | M263   | 현대중공업   | 5/6-591-E-DP02A, 5/6-591-E-DP02B, 5/6-591-E-DP03A, 5/6-591-E-DP03B, 5/6-591-E-DP04A, 5/6-591-E-DP04B             | Cubicles for emergency diesel generator  |                | SGS                         | 국내    |
| N201-ER-B01-01   | 07   | 내환경  | N201   | 신신기계(주) | 5/6-462-M-PP01A/B, 5/6-462-M-PP02A/B, 5/6-553-M-PP03A/B, 5/6-553-M-PP04A/B                                       | ESSENTIAL SERVICE WATER PUMP, ESSENTIAL SERVICE WATER SCREEN WASH PUMP   | 1              | NES                         | 국내    |
| N201-ER-B01-02   | 05   | 내환경  | N201   | 신신기계(주) | 5/6-462-M-PP01A/B, 5/6-462-M-PP02A/B   | ESSENTIAL SERVICE WATER PUMP   | 1              | NTS                         | 해외    |
| N201-ER-B01-03   | 03   | 내환경  | N201   | 신신기계(주) | 5/6-553-M-PP03A/B, 5/6-553-M-PP04A/B   | ESSENTIAL SERVICE WATER SCREEN WASH PUMP   | 1              | WYLE                        | 해외    |
| N202-ER-C01-01   | 06   | 내환경  | N202   | 신신기계(주) | 5/6-461-M-PP01A/B, 5/6-461-M-PP02A/B, 5/6-633-M-PP01A/B, 5/6-633-M-PP02A/B, 5/6-461-M-PP03A/B, 5/6-633-M-PP03A/B | COMPONENT COOLING WATER PUMP, ESSENTIAL CHILLED WATER PUMP, COMPONENT COOLING WATER MAKEUP PUMP, ESSENTIAL CHILLED WATER MAKEUP PUMP | 1              | NUCLEAR ENGINEERING SERVICE | 국내    |
| N202-ER-C01-02   | 08   | 내환경  | N202   | 신신기계(주) | 5/6-461-M-PP01A/B, 5/6-461-M-PP02A/B   | COMPONENT COOLING WATER PUMP   | 1              | HYOSUNG CORPORATION         | 국내    |

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(한국전력기술(주) 원전안전센터)

2020.03.31

| 기기검증보고서 (EQR) 번호 | 개정번호 | 검증구분   | 규격서 번호 | 업체명   | 기기번호  | 기기식별   | EQR Current RS | 검증기관명               | 국내/해외 |
|------------------|------|--------|--------|---|---|--|----------------|---------------------|-------|
| N202-ER-C01-03   | 06   | 내환경    | N202   | 신신기계(주)                                       | 5/6-463-M-PP01A/B, 5/6-463-M-PP02A/B, 5/6-633-M-PP01A/B, 5/6-633-M-PP02A/B, 5/6-461-M-PP03A/B, 5/6-633-M-PP03A/B  | SPENT FUEL POOL A COOLING PUMP, SPENT FUEL POOL B COOLING PUMP, ESSENTIAL CHILLED WATER PUMP, COMPONENT COOLING WATER MAKEUP PUMP, ESSENTIAL CHILLED WATER MAKEUP PUMP | 1              | HYOSUNG CORPORATION | 국내    |
| N203-ER-B01-01   | 01   | 내환경    | N203   | 효성굿스프링스(주)                                    | N/A   | N/A  | 6              |                     |       |
| N203-ER-B01-02   | 03   | 내환경    | N203   | 효성굿스프링스(주)                                    | 5/6-442-M-PP01A/B   | CONTAINMENT SPRAY PUMP   | 1              | 효성중공업(주)            | 국내    |
| N229-ER-B01-41   | 01   | 내진/내환경 | N229   | 한국원자력기술주식회사(KOREA NUCLEAR TECHNOLOGY CO., LTD | 5/6-443-M-HR01A, 5/6-443-M-HR01B, 5/6-443-M-HR02A, 5/6-443-M-HR02B, 5/6-443-M-HR03A, 5/6-443-M-HR03B, 5/6-443-M-HR04A, 5/6-443-M-HR04B, 5/6-443-M-HR09A, 5/6-443-M-HR09B, 5/6-443-M-HR10A | PASSIVE AUTOCATALYTIC RECOMBINER (PAR)   | 1              | SGS                 | 국내    |
| P206A-ER-B01-01  | 00   | 내환경    | P206A  | SAMSHIN LIMITED                               | Various   | LIMITORQUE MOTOR ACTIATORS   | 2              |                     |       |
| P206A-ER-B01-02  | 01   | 내환경    | P206A  | SAMSHIN LIMITED                               | Various   | Electrical Conductor Seal Assembly(ECSA)   |                | CURTISS WRIGHT      | 해외    |
| P206A-ER-B01-05  | 03   | 내환경    | P206A  | SAMSHIN LIMITED                               | Various   | FILTER REGULATOR   | 2              | AZZ(NLI)            | 해외    |
| P206A-ER-B01-06  | 03   | 내환경    | P206A  | SAMSHIN LIMITED                               | Various   | SOLENOID VALVE   | 2              | AZZ(NLI)            | 해외    |
| P206A-ER-B01-07  | 03   | 내환경    | P206A  | SAMSHIN LIMITED                               | Various   | PIGTAIL  | 2              | AZZ(NLI)            | 해외    |
| P206A-ER-B01-09  | 01   | 내환경    | P206A  | SAMSHIN LIMITED                               | 5/6-442-V-0005, 5/6-442-V-0006  | POTENTIOMETER  |                | NIPPON GEAR         | 해외    |
| P206C-ER-B01-01  | 02   | 내환경    | P206C  | SAMSHIN LIMITED                               | Various   | CONTROLLED CLOSURE CHECK VALVE   | 1              |                     |       |
| P206D-ER-C01-01  | 06   | 내환경    | P206D  | SAMSHIN LIMITED                               | 5/6-462-V-1001/1002/1003/1004<br>5/6-461-V-1001/1002/1003/1004  | TILTING DISK CHECK VALVE   |                | SAMSHIN LIMITED     | 국내    |