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| 1. Title | Incident handling and failure analysis for circulating cooling water systems | | | | | | | | | |
| 2. Code | EMPEOM407A | | | | | | | | | |
| 3. Range | Perform incident handling and failure analysis for circulating cooling water systems in general industrial plants, power plants or other places. | | | | | | | | | |
| 4. Level | 4 | | | | | | | | | |
| 5. Credits | 6 | | | | | | | | | |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Methods of incident handling and failure analysis for circulating cooling water systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Know about the causes and handling methods for incidents of circulating cooling water systems such as: <ul style="list-style-type: none"> • Serious failures of circulating cooling water systems </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Procedures of incident handling and failure analysis for circulating cooling water systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Perform incident handling for circulating cooling water system, eliminate the failure to safeguard the system and environment ◆ Perform failure analysis and various types of contingencies such as <ul style="list-style-type: none"> • Emergency shutdown </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in incident handling and failure analysis for circulating cooling water systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Locate the incident, analyze the cause of failure and handle it immediately according to your common sense and expertise and manufacturer's information ◆ Perform incident handling and failure analysis for circulating cooling water systems in compliance with the code of safety and code of practice </td> </tr> </table> | 6.1 | Methods of incident handling and failure analysis for circulating cooling water systems | <ul style="list-style-type: none"> ◆ Know about the causes and handling methods for incidents of circulating cooling water systems such as: <ul style="list-style-type: none"> • Serious failures of circulating cooling water systems | 6.2 | Procedures of incident handling and failure analysis for circulating cooling water systems | <ul style="list-style-type: none"> ◆ Perform incident handling for circulating cooling water system, eliminate the failure to safeguard the system and environment ◆ Perform failure analysis and various types of contingencies such as <ul style="list-style-type: none"> • Emergency shutdown | 6.3 | Professionalism in incident handling and failure analysis for circulating cooling water systems | <ul style="list-style-type: none"> ◆ Locate the incident, analyze the cause of failure and handle it immediately according to your common sense and expertise and manufacturer's information ◆ Perform incident handling and failure analysis for circulating cooling water systems in compliance with the code of safety and code of practice |
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| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to handle the incidents of circulating cooling water systems; (ii) Capable to compile reports on failure analysis and handling methods for circulating cooling water systems; and (iii) Capable to clearly report the status of circulating cooling water systems. | | | | | | | | | |
| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person is already familiar with the operation of circulating cooling water systems. | | | | | | | | | |