

Self-Assessment Checklist

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| Candidate Name | |
| Registration No. | |
| Qualification | Mining Process Technology |
| Competency Standards | Undertake dewatering activities |
| Assessment Task | <p>Perform the following tasks for dewatering of the given mine site</p> <ol style="list-style-type: none"> 1. Organize dewatering activities 2. Control surface water run-off 3. Lower water table 4. Conduct activities <p><i>Note: Assessor should provide area, equipment's as required for the assessment.</i></p> |

I can.....

| Performance Criteria | Yes | No |
|---|--------------------------|--------------------------|
| 1. Conduct work according to site procedures as per given SOPs | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Select appropriate type of equipment and attachments according to job specifications | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Use personal protective equipment as required | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Conduct equipment pre-start (visual) checks to ensure equipment is ready for operation | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Control surface runoff using dewatering mechanisms according to environmental guidelines | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Direct runoff to a pit for settling of sedimentation of clay, silt and sand | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Install pumps, lines and fittings and ancillary equipment in mine area | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Isolate dewatering area by placing physical barricades and signage | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Monitor dewatering system performance to satisfy pumping requirements and to ensure that dewatered areas are operational | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Manage water table at desired level | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Clean attachments and other ancillary equipment | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Complete all record and documentation as required | <input type="checkbox"/> | <input type="checkbox"/> |

Candidate's Signature _____

Assessor's Signature _____

Date: _____

Instruction Sheet for the Candidate

| | |
|------------------------|---|
| Qualification | National Vocational Certificate level 1 to 5, Mining Process Technology |
| Competency Standard(s) | Undertake dewatering activities |

| | |
|---------------------------|---|
| Candidate Details | <p>Name_____</p> <p>Registration/Roll Number_____</p> |
| Guidance for Candidate | <p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Perform the following tasks for dewatering of the given mine site</p> <ol style="list-style-type: none"> 1. Organize dewatering activities 2. Control surface water run-off 3. Lower water table 4. Conduct activities <p><i>Note: Assessor should provide area, equipment's as required for the assessment.</i></p> |
| Time:180 mins | <p>During a practical assessment, under observation by an assessor, you are required to demonstrating the following criteria:</p> <ol style="list-style-type: none"> 1. Conduct work according to site procedures as per given SOPs 2. Select appropriate type of equipment and attachments according to job specifications 3. Use personal protective equipment as required 4. Conduct equipment pre-start (visual) checks to ensure equipment is ready for operation 5. Control surface runoff using dewatering mechanisms according to environmental guidelines 6. Direct runoff to a pit for settling of sedimentation of clay, silt and sand 7. Install pumps, lines and fittings and ancillary equipment in mine area 8. Isolate dewatering area by placing physical barricades and signage 9. Monitor dewatering system performance to satisfy pumping requirements and to ensure that dewatered areas are operational 10. Manage water table at desired level 11. Clean attachments and other ancillary equipment 12. Complete all record and documentation as required |
| Minimum Evidence Required | |

Assessors Judgment Guide

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|-------------------------------|--|
| Qualification | National Vocational Certificate level 1 to 5, Mining Process Technology |
| Competency Standard(s) | Undertake dewatering activities |
| Candidate Details | Name: _____ Registration/Roll Number: _____ Signature: _____ |
| Assessment Outcome | COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____ |

| Assessment Summary (to be filled by the assessor) | | | | | | | |
|---|---------|------|-------------|-----------|-----------|-----------|-------------------|
| Activity | Method | | | | | Result | |
| Nature of Activity | Written | Oral | Observation | Portfolio | Role Play | Competent | Not Yet Competent |
| Practical Skill Demonstration | | | ✓ | | | | |
| Knowledge Assessment | | ✓ | | | | | |
| Other Requirement | | | | | | | |

Observation Checklist

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| Assessment Task | Perform the following tasks for dewatering of the given mine site <ol style="list-style-type: none"> 1. Organize dewatering activities 2. Control surface water run-off 3. Lower water table 4. Conduct activities <i>Note: Assessor should provide area, equipment's as required for the assessment.</i> | | | |
| During the practical assessment, candidate demonstrated the following: | | Yes | No | Remarks |
| 1. | Conduct work according to site procedures as per given SOPs | | | |
| 2. | Select appropriate type of equipment and attachments according to job specifications | | | |
| 3. | Use personal protective equipment as required | | | |
| 4. | Conduct equipment pre-start (visual) checks to ensure equipment is ready for operation | | | |
| 5. | Control surface runoff using dewatering mechanisms according to environmental guidelines | | | |
| 6. | Direct runoff to a pit for settling of sedimentation of clay, silt and sand | | | |
| 7. | Install pumps, lines and fittings and ancillary | | | |
| 8. | equipment in mine area | | | |
| 9. | Isolate dewatering area by placing physical barricades and signage | | | |
| 10. | Monitor dewatering system performance to satisfy pumping requirements and to ensure that dewatered areas are operational | | | |
| 11. | Manage water table at desired level | | | |
| 12. | Clean attachments and other ancillary equipment | | | |
| Competent <input type="checkbox"/> | | Not Yet Competent <input type="checkbox"/> | | |

| Feedback to the Candidate | |
|----------------------------|---------------------------|
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| Candidate's Signature_____ | Assessor's Signature_____ |