

Skills Programme Details

Skills Programme in Thickening of a slurry

MQA ID: MQA/SP/0109/09

NQF Level: 2

Minimum Credits: 12

Purpose of Skills Programme

This skills programme is aimed at persons who work or intend to work within the thickening section of a processing plant and who seek recognition for essential skills in this area.

Rationale

The majority of the candidates for this skills programme are likely to be working in the mining and minerals sector. The skills program will give them the opportunity to balance their practical skills with the essential knowledge needed to earn a formal skills program in thickening operations.

There is also a critical need in the industry to identify people who are able to conduct the essential operations associated with efficient and extraction in at least one of the operations.

Articulation

This skills programme may be the initial platform for obtaining credits towards the National Certificate in Mineral Processing (NQF level 2 to 4) and other production related sub fields.

Learning assumed to be in place

It is assumed that candidates embarking on learning towards this skills program are educated to NQF Level 1.

Access to the skills programme

This skills programme is open to anyone with access to learning opportunities and work experience in the areas reflected in the exit level outcomes and unit standards. It is advisable that candidates should already have addressed the areas reflected under "learning assumptions" before embarking towards this skills programme, although the exact starting point depends on the available resources for learning.

Learning programme

Training (notional) Period based on total credit value core only

12 X 10 = 120 Hours

= 120/6 hours = 20 Days

Composition of the Skills Programme

1. Generic Core Unit standards

| NLRD Number | Standard title | NQF Level | Credits |
|-------------|------------------------------------------------|-----------|-----------|
| | Materials transport and handling | | |
| 252295 | Transfer fluids by means of a pump | 2 | 3 |
| 243650 | Handle waste material in a metallurgical plant | 2 | 4 |
| 252282 | Thicken slurry in a metallurgical plant | 2 | 4 |
| | TOTAL CREDITS | | 11 |

2. Elective unit standards

| NLRD Number | Standard title | NQF Level | Credits |
|-------------|---------------------------------------------------------------|-----------|---------|
| 260987 | Control a thickening process in a metallurgical plant | 4 | 15 |
| 252302 | Handle inorganic reagents safely in a metallurgical plant | 2 | 6 |
| 261017 | Monitor and control a metallurgical plant from a control room | 4 | 15 |
| 252286 | Handle organic reagents safely in a metallurgical plant | 2 | 4 |
| 252304 | Control the water reticulation in a metallurgical process | 2 | 4 |
| 252350 | Determine relative density by means of a density scale | 2 | 3 |
| 252332 | Slake Lime | 2 | 4 |
| 252316 | Off-load an alkali into a storage facility | 2 | 6 |