

# Learner Guides Content

## Level 2- 3

Apply principles of water management and hydraulics in irrigation work.  
(Underpinning knowledge for irrigation competency standards)

BCS3147A RTE3601A	Connect irrigation system from drinkable (potable) supply Install irrigation systems
RTE3603A	Install drainage systems
RTE2603A	Lay irrigation pipes
RTE3605A RTE3604A	Locate and replace faulty components in irrigation system Locate and clear blockages in irrigation delivery and drainage lines
RTE3606A RTE3607A	Measure irrigation system delivery performance Measure drainage system performances
RTE3608A	Monitor and operate wastewater treatment process
RTE2114A	Monitor water supplies
RTE3609A	Operate fertigation equipment
RTE3611A RTE3610A	Operate pressurised irrigation systems Operate gravity fed irrigation systems
RTE2604A	Maintain drainage systems
RTE2601A RTE2605A	Assist with the operation of gravity-fed irrigation systems Maintain gravity-fed irrigation systems
RTE2602A RTE2606A	Assist with the operation of pressurised irrigation systems Maintain pressurised irrigation systems
RTE3714A	Maintain and monitor environmental work practices

## Level 4- 5

RTE5605A	Establish and maintain an irrigation-related environmental protection program
RTE4603A	Implement an irrigation-related environmental protection program
RTE5601A	Audit irrigation systems
RTE5603A	Design irrigation, drainage and water treatment systems
RTE5607A	Design drainage systems
RTE4602A	Determine hydraulic parameters for an irrigation system
RTE4601A RTE4606A RTE4607A	Acquire resources for irrigation installation and construction Supervise on site irrigation installation and construction work Plan on-site irrigation system installation and construction work
RTE4604A RTE4605A RTE4609A	Determine seasonal irrigation scheduling tasks Schedule irrigation Implement, monitor and adjust irrigation schedules
RTE5604A RTE5606A	Develop an irrigation and drainage management plan Manage water systems
RTE5602A	Design irrigation system maintenance and monitoring programs
RTE4608A	Plan and co-ordinate gravity-fed irrigation systems
RTE5608A	Design water treatment systems
RTE4603A	Recycled Water Overaly

Note: Grouped competencies are in the one Learning Guide.