



Australian Government

NWPTRT071 Operate and control pre-treatment processes

Release: 1

NWPTRT071 Operate and control pre-treatment processes

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP264B Monitor, operate and report wastewater pre-treatment processes. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Unit title changed to better reflect unit outcomes • Element 4 reworded • PC 3.2 revised • PC 4.1 removed • PC 4.2 reworded

Application

This unit describes the skills required to monitor, operate and report on wastewater pre-treatment processes, including separation processes such as screens and grit removal, used in industrial or domestic wastewater treatment plants prior to biological treatments.

This unit applies to those working as operational staff with specific responsibility for pre-treatment processes.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to, particularly those relating to environment, safety, and manufacturers' guidelines.

Those undertaking this unit would work under supervision while performing routine tasks in a range of familiar contexts.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Competency Field

Treatment

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Plan and prepare for work	1.1 Determine work requirements as outlined in standard operating procedures. 1.2 Identify and report potential risks to self, other employees, public and environment. 1.3 Select and check work site equipment, tools and safety materials as appropriate to meet task and safety specifications. 1.4 Select, fit and use personal protective equipment.
2. Monitor pre-treatment processes	2.1 Carry out routine plant inspections. 2.2 Monitor processes to maintain parameters of operation. 2.3 Collect process samples and conduct standard tests. 2.4 Collect, record and report process data. 2.5 Identify and report process faults and operational condition of plant.
3. Operate pre-treatment processes	3.1 Operate pre-treatment processes. 3.2 Carry out basic adjustments to enhance system performance. 3.3 Determine chemical dosing requirements
4. Complete documentation	4.1 Collect and record process data 4.2 Report observations outside defined parameters for further action.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP264B Monitor, operate and report wastewater pre-treatment processes.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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