



Energy and Water Sector Education and Training Authority

15 October 2019

NKR Consulting Engineers

22 A Main Road
East London

5201

Dear Sir/Madam

Notification of Accreditation with the EWSETA

Enclosed herewith please find your company's status with the EWSETA

The accreditation status with the EWSETA include:

A. Your company's unique identifier with the EWSETA	NKRENER190902101
B. Your ETQA ID with the EWSETA	583
C. EWSETA ETQA decision number	NKRENER190902101
D. Accreditation period from	03 July 2019
To	03 July 2024
E. Your record was last updated on	15 October 2019

Please feel free to raise any queries to the EWSETA QA & C Department closest to your province.

Yours truly

Quality Assurance & Compliance Manager

Chief Executive Officer

15 October 2019

Date

28 October 2019

Date

Tel: (011) 274 4700
Fax: (011) 484 8953 or (011) 484 1078
www.eseta.org.za
info@eseta.org.za

Sunnyside Office Park
MPF House, 2nd & 3rd floors
32 Princess of Wales Terrace
Parktown, Johannesburg, South Africa

P.O. Box 1273
Houghton
2041
South Africa



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Your organization's accreditation status are specifically associated with the following:

Qualifications you are registered to assess

No	Qualification ID	Qualification Title	Registered to assess	
			From	To
1	60190	National Certificate: Water and Wastewater Process Control	02 July 2019	02 July 2024
2	61709	Further Education and Training Certificate: Water and Wastewater Treatment Process Control Supervision	02 July 2019	02 July 2024
3	58951	National Certificate: Water and Wastewater Treatment Process Operations	03 July 2019	03 July 2024

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Unit Standard/s linked to your organisation

No	Unit Standard ID	Unit Standard Title	Provision Date	
			From	To
58951 National Certificate: Water and Wastewater Treatment Process Operations				
1	116534	Carry out basic first aid treatment in the workplace	03 July 2019	03 July 2024
2	8494	Demonstrate an understanding of HIV/AIDS and its implications	03 July 2019	03 July 2024
3	246437	Demonstrate knowledge of activated sludge processes in wastewater treatment	03 July 2019	03 July 2024
4	246440	Operate coagulation, flocculation and sedimentation processes	03 July 2019	03 July 2024
5	246441	Maintain maturation and oxidation ponds	03 July 2019	03 July 2024
6	246442	Operate pumps	03 July 2019	03 July 2024
7	246443	Operate a sand filter	03 July 2019	03 July 2024
8	246445	Operate a biological trickling filter	03 July 2019	03 July 2024
9	246446	Operate a rapid gravity filtration process	03 July 2019	03 July 2024
10	246448	Operating a rotating biological contactor unit	03 July 2019	03 July 2024
11	9007	Work with a range of patterns and functions and solve problems	03 July 2019	03 July 2024
12	9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	03 July 2019	03 July 2024
13	9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	03 July 2019	03 July 2024
14	246450	Demonstrate knowledge of the water treatment process	03 July 2019	03 July 2024
15	246459	Apply personal safety practices in the water sector	03 July 2019	03 July 2024
16	246460	Demonstrate basic knowledge of the wastewater treatment process	03 July 2019	03 July 2024



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Unit Standard/s linked to your organisation

No	Unit Standard ID	Unit Standard Title	Provision Date	
			From	To
17	246461	Conduct water treatment process control tests	03 July 2019	03 July 2024
18	246463	Demonstrate knowledge of water cycle, water and wastewater systems and processes	03 July 2019	03 July 2024
19	246464	Conduct sampling for water and wastewater treatment processes	03 July 2019	03 July 2024
20	246466	Operate water and wastewater chemical dosage systems	03 July 2019	03 July 2024
21	246468	Operate inlet works	03 July 2019	03 July 2024
22	246469	Operate primary settling processes in wastewater treatment	03 July 2019	03 July 2024
23	246471	Demonstrate knowledge and understanding of plant equipment	03 July 2019	03 July 2024
24	246472	Handle and dispose of water and wastewater sludge	03 July 2019	03 July 2024
25	246473	Demonstrate knowledge of elementary biology in the water wastewater environment	03 July 2019	03 July 2024
26	246486	Operate water recovery unit	03 July 2019	03 July 2024
27	246535	Operate the chlorine dosing process	03 July 2019	03 July 2024
28	116932	Operate a personal computer system	03 July 2019	03 July 2024
29	119455	Respond to selected literary texts	03 July 2019	03 July 2024
30	119456	Write/present for a defined context	03 July 2019	03 July 2024
31	119460	Use language and communication in occupational learning programmes	03 July 2019	03 July 2024
32	119463	Access and use information from texts	03 July 2019	03 July 2024
33	13220	Keep the work area safe and productive	03 July 2019	03 July 2024

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No	Unit Standard ID	Unit Standard Title	Provision Date	
			From	To
34	7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	03 July 2019	03 July 2024
35	7480	Demonstrate understanding of rational and irrational numbers and number systems	03 July 2019	03 July 2024
36	244061	Interpret material safety data sheets (MSDS) in order to address chemical safety in the workplace	03 July 2019	03 July 2024
60190 National Certificate: Water and Wastewater Process Control				
1	113877	Understand fundamentals of electricity	02 July 2019	02 July 2024
2	116534	Carry out basic first aid treatment in the workplace	02 July 2019	02 July 2024
3	119467	Use language and communication in occupational learning programmes	02 July 2019	02 July 2024
4	119472	Accommodate audience and context needs in oral/signed communication	02 July 2019	02 July 2024
5	119676	Apply the skills of customer care in a specific work environment	02 July 2019	02 July 2024
6	12048	Operate rotating biodisc contactor	02 July 2019	02 July 2024
7	12058	Demonstrate knowledge and operation of mechanical and electrical systems	02 July 2019	02 July 2024
8	242870	Apply public sector policies and procedures to achieve administration objectives	02 July 2019	02 July 2024
9	246445	Operate a biological trickling filter	02 July 2019	02 July 2024
10	246446	Operate a rapid gravity filtration process	02 July 2019	02 July 2024
11	9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	02 July 2019	02 July 2024
12	9012	Investigate life and work related problems using data and probabilities	02 July 2019	02 July 2024
13	9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	02 July 2019	02 July 2024



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Unit Standard/s linked to your organisation

No	Unit Standard ID	Unit Standard Title	Provision Date	
			From	To
14	9532	Demonstrate basic knowledge of computers	02 July 2019	02 July 2024
15	9882	Read and interpret basic engineering drawings	02 July 2019	02 July 2024
16	254097	Measure and interpret chlorine dosage	02 July 2019	02 July 2024
17	254101	Demonstrate knowledge of oxidation pond and maturation ponds processes in wastewater treatment.	02 July 2019	02 July 2024
18	254103	Demonstrate knowledge of different methods of achieving disinfection in a water and wastewater effluent environment	02 July 2019	02 July 2024
19	254114	Demonstrate knowledge of quality and its management in water and wastewater context	02 July 2019	02 July 2024
20	254116	Demonstrate knowledge of activated sludge processes in wastewater treatment	02 July 2019	02 July 2024
21	254117	Operate a membrane process	02 July 2019	02 July 2024
22	254123	Demonstrate knowledge of SI measurement units used in water and wastewater treatment	02 July 2019	02 July 2024
23	254125	Demonstrate knowledge of sampling procedures for water and wastewater treatment tests	02 July 2019	02 July 2024
24	254134	Control composting process	02 July 2019	02 July 2024
25	255474	Operate mechanical and electrical plant and equipment in a water and wastewater environment	02 July 2019	02 July 2024
26	116942	Use a GUI-based word processor to create merged documents	02 July 2019	02 July 2024
27	119078	Use a GUI-based word processor to enhance a document through the use of tables and columns	02 July 2019	02 July 2024
28	119457	Interpret and use information from texts	02 July 2019	02 July 2024
29	119465	Write/present/sign texts for a range of communicative contexts	02 July 2019	02 July 2024
30	7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	02 July 2019	02 July 2024

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No	Unit Standard ID	Unit Standard Title	Provision Date	
			From	To
31	7812	Perform basic calculations	02 July 2019	02 July 2024
61709 Further Education and Training Certificate: Water and Wastewater Treatment Process Control Supervision				
1	119467	Use language and communication in occupational learning programmes	02 July 2019	02 July 2024
2	7818	Conduct on-the-job coaching	02 July 2019	02 July 2024
3	119469	Read/view, analyse and respond to a variety of texts	02 July 2019	02 July 2024
4	119471	Use language and communication in occupational learning programmes	02 July 2019	02 July 2024
5	119472	Accommodate audience and context needs in oral/signed communication	02 July 2019	02 July 2024
6	13945	Describe and apply the management of stock and fixed assets in a business unit	02 July 2019	02 July 2024
7	14417	Lead and supervise construction teams	02 July 2019	02 July 2024
8	14426	Read, interpret and use construction drawings and specifications	02 July 2019	02 July 2024
9	14609	Participate in management of conflict	02 July 2019	02 July 2024
10	242810	Manage Expenditure against a budget	02 July 2019	02 July 2024
11	9015	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	02 July 2019	02 July 2024
12	9016	Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	02 July 2019	02 July 2024
13	254099	Supervise personal safety practices in the workplace	02 July 2019	02 July 2024
14	254115	Demonstrate sound environmental practices in wastewater operations	02 July 2019	02 July 2024
15	254118	Apply water loss control principles	02 July 2019	02 July 2024



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No	Unit Standard ID	Unit Standard Title	Provision Date	
			From	To
16	254121	Demonstrate knowledge of the characteristics of water flow	02 July 2019	02 July 2024
17	255975	Supervise the various disinfection and oxidation processes	02 July 2019	02 July 2024
18	255976	Supervise and optimise the operation of separation processes	02 July 2019	02 July 2024
19	255977	Demonstrate knowledge of the principles and application of potable water science	02 July 2019	02 July 2024
20	255978	Take non-routine investigative samples for monitoring process in water and wastewater works	02 July 2019	02 July 2024
21	255979	Thicken and dewater sludge	02 July 2019	02 July 2024
22	255980	Operate electronic equipment for water and wastewater process control	02 July 2019	02 July 2024
23	255981	Demonstrate knowledge of the principles of water hydraulics	02 July 2019	02 July 2024
24	255982	Control water abstraction structures	02 July 2019	02 July 2024
25	255983	Supervise the operation of mechanical, electrical, pneumatic and hydraulic control systems	02 July 2019	02 July 2024
26	255984	Operate and control activated sludge process	02 July 2019	02 July 2024
27	255985	Operate an anaerobic wastewater sludge digester	02 July 2019	02 July 2024
28	255986	Demonstrate knowledge of advanced treatment of wastewater process	02 July 2019	02 July 2024
29	255987	Demonstrate knowledge of water related legislation and the responsibilities of management in terms of the acts	02 July 2019	02 July 2024
30	117003	Demonstrate understanding of sections of the occupational health and safety act (act 85 of 1993) applicable to the water sector	02 July 2019	02 July 2024
31	119457	Interpret and use information from texts	02 July 2019	02 July 2024
32	119459	Write/present/sign for a wide range of contexts	02 July 2019	02 July 2024