

SSLPR1 Environmental Monitoring Technician

1. Job role

TCF sub-sector	Leather Production
Functional area	Environmental Compliance and Monitoring
Job role	SSLPR1 Environmental Monitoring Technician
Job role description	Monitors and reports on the environmental performance of tannery operations, including wastewater, air emissions, solid waste and chemical discharge. Conducts sampling, testing and data analysis to ensure compliance with environmental licences and regulatory requirements. Supports Operations Manager and operational staff in maintaining sustainable and compliant tannery operations.
Performance expectations	• Conduct routine sampling of wastewater, sludge and air emissions • Perform environmental testing in accordance with licence conditions • Maintain accurate monitoring records and compliance documentation • identify environmental non-conformances and escalate appropriately • Support audits by environmental regulators • Assist in implementation of pollution control improvements • Contribute to sustainability and ESG reporting
Specialisation	May specialise in wastewater treatment plant monitoring, trade waste compliance, air quality monitoring, hazardous waste management or environmental data reporting systems.
Application in other TCF sectors	Transferable to environmental monitoring roles in textile dyeing and finishing plants, footwear manufacturing, industrial laundries and other water- and chemical-intensive manufacturing environments.

2. Key tasks and critical work functions

Key tasks	• Collect wastewater and effluent samples from treatment systems • Test pH, COD, BOD, chromium and other discharge parameters • Monitor operation of wastewater treatment plant systems • Inspect storage and handling of hazardous chemicals • Maintain environmental monitoring equipment and calibration records • Compile environmental performance reports
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	Support incident response for environmental breaches
Critical work functions	- Assurance of compliance with environmental licence conditions - Prevention of pollution events and regulatory penalties - Accurate and defensible environmental data recording - Early identification of treatment system performance issues - Integration of environmental monitoring into operational decision-making

3. Technical skills

Environmental sampling techniques	Collect and preserve wastewater, sludge and air samples correctly.
Water quality testing	Conduct critical, standard water quality and other related tests including pH, COD, BOD, TSS, chromium.
Wastewater treatment knowledge	Understand biological and chemical treatment processes.
Environmental data analysis	Interpret monitoring results against licence limits.
Regulatory knowledge	Understand EPA licence conditions and reporting obligations.
Monitoring equipment calibration	Maintain and calibrate environmental testing instruments.
Hazardous waste management	Monitor storage and disposal compliance.

4. Generic Skills

Attention to detail	Ensure precision in sampling and documentation.
Analytical thinking	Interpret environmental test data accurately.
Communication	Report environmental findings clearly to management.
Problem solving	Identify causes of non-compliance and recommend actions.
Time management	Conduct monitoring within regulatory timeframes.
Safety awareness	Follow safe procedures when handling chemicals and effluent.

5. Emerging skills

Emerging skills	- Use of digital environmental monitoring dashboards - Automated effluent monitoring systems and remote sensors - Data analytics for predictive environmental risk management - Carbon and water footprint reporting - ESG compliance data integration - Advanced treatment technologies for chrome recovery and water recycling
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6. VET Qualifications and Skill Sets

Entry-level preparation	MSL40122 Certificate IV in Laboratory Techniques or equivalent qualification.
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Advanced development	MSL50122 Diploma of Laboratory Technology or equivalent qualification.
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7. Job progression

Possible job progression	Environmental Monitoring Technician → Quality Assurance Officer
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8. Classification

Australian Qualifications Framework	AQF Level 4-6
Australian Bureau of Statistics (ABS) Skill Levels	Skill Level 2
Open Source Classification of Occupations for Australia (OSCA)	Environmental Monitoring Technician / Environmental Officer - Industrial Manufacturing context.



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