



Nutrient and irrigation management plan checklist

Purpose

Nutrient and irrigation management plans (NIMPs) provide detailed information to minimise fertiliser losses and water wastage when establishing or growing crops, gardens, trees or turf. Good planning and operational practice is vital for irrigated and fertilised plants so that water is used effectively and plants flourish with maximum uptake of essential nutrients (principally nitrogen and phosphorus), while contamination is minimised. Preparing a NIMP helps land owners and/or operators demonstrate that inputs such as water and fertiliser, are well-matched to the plant growth cycle, resulting in healthy plants and minimal contaminant leaching into the surrounding environment.

This sheet has been designed to summarise the recommendations made in our Water quality protection note (WQPN) 33 *Nutrient and irrigation management plans*, in an easy to read checklist format. For a copy of this guidance note, see < www.water.wa.gov.au > select *publications* > *find a publication* > *series browse* > *water quality protection notes* > *WQPN 33 nutrient and irrigation management plans*.

This checklist is referenced to the numbered recommendations made in note 33. This checklist can be used as a tool to help with the preparation, assessment and/or review of nutrient and irrigation management plans. This department also proposes to prepare case studies shortly to illustrate the preparation of an effective NIMP.

Contact details and feedback on the use of the sheet

We welcome your thoughts and suggestions on our publications. We aim to regularly update them and make them as useful as practical. Your feedback helps us protect our precious water resources. To comment on this note or for more information, please contact our water source protection branch as shown below, citing the sheet topic and version.

Manager, Water Source Protection Department of Water

168 St Georges Terrace PO Box K822

Perth Western Australia 6000 Perth Western Australia 6842

Telephone +61 8 6364 7600 Facsimile +61 8 6364 7601

Email waterquality@water.wa.gov.au

This publication is available at our website <www.wa.gov.au> or for those with special needs it can be made available in alternative formats such as audio, large print, or Braille.

Nutrient and irrigation management plan (NIMP) – checklist for key data

Project proponent: Project name/ location:

WQPN 33	Description	√ or	Area/	Unit	Comments
advice no.		Х	quantity		
Scope	Irrigation used /nutrients applied, hence a NIMP is required				
Project sett	ing				
1a & 1b	Proponent, project location (address)				
1c & 1d	Project overview and timing provided				
2a	Map of site layout including the area to be irrigated/fertilised, relative to local features (structures and water sources)				
2b	Present and historic land uses site land uses, vegetation cover and land condition				
2c	Compatibility with land use zoning/ planning constraints				
	Is project located in a compatible PDWSA priority area or zone?				Refer to our Water quality protection note 25
3	Details of planned irrigated and or fertilised vegetation and species (with supporting maps or sketches)			ha	
4	Animal held on site (species and numbers)				
5	People resident or employed on site, how wastewater managed?				
6	Rainfall (monthly average)			mm	From Australian Bureau of
	Evaporation rate (monthly average)			mm	Meteorology
7	Anticipated rainfall runoff and infiltration factors				Use Australian rainfall and runoff
Soils and la	andform				
8a	Contour map provided				
8b	Surface soil types present on site described				
8c	Soil strata (>2 metres depth) described, including drilling/test pits				
8d	Phosphorus buffering indices (PRI) given for the top 30cm of soil				
8e	Local acid sulphate soil risk evaluated				
8f	Any earthworks described (including any land profile change)				
8g	Imported fill or soil amendment described (existing or planned)				
Water resor	urces description and use				
9a	Sensitive environments located near the site described				
	Natural water sources that may be affected defined				
	Bores or dams that may be affected			<u>.</u>	
9b	Land subject to seasonal or occasional flooding (including a map)			ha	

WQPN 33	Description	√ or	Area/	Unit	Comments	
advice no.		Х	quantity			
9c	Groundwater aquifers beneath the site described					
9d	Site within a Public drinking water source area (PDWSA)?				See < www.water.wa.gov.au >	
	If in PDWSA, in priority area or protection zone?				Geographic data atlas	
9e	Local water resource quality data attached (pH, salinity, nutrients)					
9f	Local water resources usage onsite and on nearby land described					
10	Present or planned licensed water use				Licence no:	
Site manage	ement					
Irrigation scl	heme					
11a	Source of site water supply and information on any recycled water					
11b	Water storage location and capacity on site			kL		
11c	Zones to be irrigated to suit plantings and expected water uptake			ha		
11d	Sprinkler type, layout, operating pressure and coverage uniformity			kPa	CU:	
11e	Water application rate, duration and watering frequency?			mm/hr	minutes days	
11f	Seasonal variation and/or planned expansion of these activities					
11g	Irrigation management measures & monitoring					
11h	Irrigation shut off controls during wet weather?					
11i	Soil protection measures					
11j	Irrigation runoff capture, storage and recycle?			kL		
11k	Irrigation management to soil salinity issues					
111	Irrigation water contaminant control pre -treatment described?					
Nutrient app	lication					
12a	Fertiliser crop needs and nutrient availability described, including					
	soil and/or plant tissue testing					
12b	Nutrient needs defined for short term crops and the maintenance					
	of long term vegetation		0/11			
12c	Types and constituents of fertilisers proposed described		%N	%P		
12d	Fertiliser application details: method, area, quantity, frequency			kg/yr		
Drainage and contaminant leaching controls						
13	Drainage system design components			0.01 :00		
13a	Design and function of any proposed artificial water bodies			sq m	Monitoring fraguency	
13b	Management/monitoring of water bodies that may be affected				Monitoring frequency:	
13c	Off-site water movement into sensitive areas prevention plan?					
13d	Existing surface or buried drainage systems					
13e	Runoff design for both frequent and extreme storm events					

WQPN 33	Description	√ or	Area/	Unit	Comments
advice no.		Χ	quantity		
13f	Proposed stormwater calculation/diversion pipe-work or channels				
13g	Proposals to manage soil sodicity, compaction and salinity risks				
13h	Drainage design follows stormwater management manual for WA				
	of natural water resources				
14	Intensive irrigation and nutrient application should not occur in the f	ollowin	ig areas wit	thout effe	ctive safeguards:
14a	Where soils have poor nutrient retention				
14b	Where water tables rise seasonally to within 2 metres of surface				
14c	Fertiliser could wash into waterways or soaks				
14d	Within buffers to sensitive water resources				
	nt transport model				
15	For sites > 10 ha a contaminant fate and transport model for the impact on downstream water resources described				
16	Model predictions compared against local water resource quality values (see <i>National water quality management strategy</i> g/lines)				
17	Measures are/will be put in place to prevent predicted adverse environmental effects, if not, the proposal reworked?				
Surface wat	er protection				
18	Native vegetation buffers provided to irrigated or waterlogged				
	land from stream banks or damp land vegetation?				
19	Native vegetation protected by stock proof fences?				
20	No intensive cropping on land prone to flooding?				
21	No cultivation on steep slopes or rocky terrain?				
Groundwate	er protection				
22a	Soil amendment program (including material, rate, depth, method)			t/ha	depth: cm
22b	No waterlogged areas cultivated (where water table <2 m deep)				
22c	Irrigation bores placed down gradient of intensive land use to intercept leached contaminants				
Vegetation	management				
23a	Maintenance plan for crops, pasture, trees and turf?				
23b	Erosion protection plan for soils and water resources?				
23c	Water and nutrient application plan matched to plant needs?				
23d	Protection and/or buffers for remnant vegetation?				
23e	Plant species selected for low water and nutrient demands?				
23f	Vegetation matched to seasonal nutrient and element loads?				

Advice no. X Quantity	WQPN 33	Description	√ or	Area/	Unit	Comments
Pesticide and herbicides used (including constituents, frequency, rate applied) 24b Method of chemical application and safeguards for spray drift, runoff and leaching 24c Investigation into possible residue leaching and impacts on non-target species reported? Leaching potential investigated using PIRI? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW is WOPN 37 Pesticide storage and use advice followed? DOW is WOPN 37 Pesticide storage and use advice followed? The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring grogram?	advice no.		Χ	quantity		
24a Pesticides and herbicides used (including constituents, frequency, rate applied) 24b Method of chemical application and safeguards for spray drift, runoff and leaching 24c Investigation into possible residue leaching and impacts on non-target species reported? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW 's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring grogram?	23g	Perennial native vegetation shelter-belts used ?				
rate applied) 24b Method of chemical application and safeguards for spray drift, runoff and leaching 24c Investigation into possible residue leaching and impacts on non-target species reported? Leaching potential investigated using PIRI? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW's WQND 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes: 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salimity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	Pesticide a	nd herbicide storage and use				
24b Method of chemical application and safeguards for spray drift, runoff and leaching 24c Investigation into possible residue leaching and impacts on non-target species reported? Leaching potential investigated using PIRI? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	24a	Pesticides and herbicides used (including constituents, frequency,				
24c Investigation into possible residue leaching and impacts on non-target species reported? Leaching potential investigated using PIRI? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
target species reported? Leaching potential investigated using PIRI? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW 's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	24b					
Leaching potential investigated using PIRI? 24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW 's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes: 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	24c					
24d Secure weather-proof chemical storage and mixing facilities? 24e Pesticide operator qualifications, training & experience? 25 If the land is within a PDWSA, DOW state-wide policy 2 Pesticide use in PDWSA advice followed? DOW 's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) Consultants and analytical laboratories used to implement the monitoring program?						
24e Pesticide operator qualifications, training & experience? 25	244					
25						
use in PDWSA advice followed? DOW's WQPN 37 Pesticide storage and use advice followed? 26 The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
DOW 's WQPN 37 Pesticide storage and use advice followed? The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	25					
The proponent demonstrates a good understanding of the safe and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
and best practice use for the application, handling, transportation and storage of pesticides and other chemicals? Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	26					
Site monitoring and reporting 27 The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
The pre-development nutrient irrigation management program includes:- 27a Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	Cita manita					
Program of testing for soil, plant tissue and groundwater? Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) Consultants and analytical laboratories used to implement the monitoring program?			door			
Soil and water pH, salinity, PBI, N&P concentrations reported? Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) Consultants and analytical laboratories used to implement the monitoring program?			ues			
Methods to analyse and report on the above details described? Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? 27b The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	2/a					
Establishment of groundwater monitoring facilities for water quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
quality assessments? Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
Description of the site water balance? The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
The post-development nutrient irrigation management program includes:- Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
Environmental monitoring system to be implemented? PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	27h		iqos:-			
PBI of any amended soils at five year intervals? Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?	270		uues			
Specific tests to show effectiveness of any nutrient storage or nutrient stripping ponds described? Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
Site monitoring and reporting (continued) 27b Consultants and analytical laboratories used to implement the monitoring program?						
27b Consultants and analytical laboratories used to implement the monitoring program?		Trainert empping periae accembed.				
27b Consultants and analytical laboratories used to implement the monitoring program?	Site monitoring and reporting (continued)					
monitoring program?						

WQPN 33	Description	√ or	Area/	Unit	Comments
advice no.		Х	quantity		
	Vegetation tissue analysed to determine any nutrient or trace				
	element deficiencies?				
	Testing if fertiliser application rates for periodic alteration?				
28	Environmental monitoring reports to be supplied/ required?				
29	Records of all data collected and maintained for five years?				
Contingenc					
30	Actions planned to minimise loss of chemicals to water resources v	ia the f	ollowing ev	ents:	
30a	Wildfire or major storm events?				
30b	Spillage and leakage of chemicals?				Describe:
30c	Overflow or seepage from contaminated water ponds?				
Submission	n and assessment of development proposals				
	The proposal has been submitted to and assessed by:				
31	Local Government Agency (LGA) (initially)?				
32	Department of Agriculture and Food (DoAF)?				
	Environmental Protection Agency (EPA)?				
	Department of Environment and Conservation (DEC)?				
	Department of Water (DOW) – water allocation licence?				
	Department of Water (DoW) – risk to local water quality?				

Overall assessment conclusions-

NIMP acceptable? (Yes / No)

Additional data required for advice numbers:

Comments:

NIMP assessed by (name):

Title:

Branch:

Organisation name:

Date assessed:

Disclaimer:

This document has been published by the Department of Water. Any representation, statement, opinion or advice expressed or implied in this publication is made in good faith and on the basis that the Department of Water and its employees are not liable for any damage or loss whatsoever which may occur as a result of action taken or not taken, as the case may be in respect of any representation, statement, opinion or advice referred to herein. Professional advice should be obtained before applying the information contained in this document to particular circumstances.