

# NUTRIENT REASONABLE POTENTIAL ANALYSIS WORKSHEET

SECTION 1									
AI NO.		KPDES NO.		Outfall No.					
Facility Name					County				
Latitude				Longitude					
Design Flow (MGD)				Average Flow (MGD)					
Phosphorus Long Term Average Discharge				mg/l					
Receiving Water Name				7Q10	lbs/day cfs				
SECTION 2									
No	Scenario	Yes	No						
1	Is there an EPA approved nutrient TMDL that assigns numeric total phosphorus, total nitrogen and/or nitrate effluent limits for this facility? <b>If YES, STOP. Incorporate these limits into the KPDES permit for the facility.</b>	<input type="checkbox"/>	<input type="checkbox"/>						
2	Were numeric total phosphorus, total nitrogen and/or nitrate effluent limits included on a DOW-approved construction permit for this facility? <b>If YES, STOP. Incorporate these limits into the KPDES permit for the facility.</b>	<input type="checkbox"/>	<input type="checkbox"/>						
3	Is the facility subject to one or more of the following effluent limitations guidelines (ELGs): (1) 418 Subpart A – Phosphate Fertilizers, (2) 422 – Phosphate Manufacturing, (3) 426 Subpart E – Float Glass, (4) 426 Subpart G – Automotive Glass Laminating, or (5) 432 – Meat Processing? <b>If YES, STOP. The facility has reasonable potential.</b>	<input type="checkbox"/>	<input type="checkbox"/>						
4	Did the prior KPDES permit for this facility contain numeric total phosphorus and/or total nitrogen effluent limits that were not assigned by an EPA approved TMDL or included in a DOW-approved construction permit? <b>If YES, DO NOT incorporate these limits into the KPDES permit, if the facility treats and disposes of sewage. Proceed to Section 3 to determine if reasonable potential exists.</b>	<input type="checkbox"/>	<input type="checkbox"/>						
SECTION 3									
Discharge Type	Points	Average Flow/7Q10 (%)	Points	Phosphorus Discharged (P) (lbs/day)	Points				
Type I	<input type="checkbox"/> 0	% < 10	<input type="checkbox"/> 0	P < 1.0	<input type="checkbox"/> 0				
Type II	<input type="checkbox"/> 5	10 ≤ % < 50	<input type="checkbox"/> 20	1.0 ≤ P < 10.0	<input type="checkbox"/> 20				
Type III	<input type="checkbox"/> 10	50 ≤ % < 100	<input type="checkbox"/> 30	10.0 ≤ P < 50.0	<input type="checkbox"/> 30				
Type IV	<input type="checkbox"/> 20	% ≥ 100	<input type="checkbox"/> 40	P ≥ 50	<input type="checkbox"/> 40				
<b>Total Points</b>									
SECTION 4									
No	Other Factors	Yes	No	Multiplier					
1	Facility discharges directly to a nutrient impaired stream, lake, or reservoir	<input type="checkbox"/>	<input type="checkbox"/>	1.4					
2	Facility discharges indirectly to a nutrient impaired stream, lake, or reservoir (<10 miles)	<input type="checkbox"/>	<input type="checkbox"/>	1.2					
3	Facility discharges directly to a T/E OSRW	<input type="checkbox"/>	<input type="checkbox"/>	1.4					
<b>Total Multiplier</b>									
SECTION 5									
Section 3 Total Points									
Section 4 Total Multiplier									
Reasonable Potential Score (Point Product of Section 3 and Section 4)									
If total score is equal to or greater than 90 points, reasonable potential exists.									
If total score is equal to or greater than 70 points but less than 90 points, the rating is inconclusive.									
If the total score is less than 70 points, reasonable potential does not exist.									
SECTION 6									
<b>If reasonable potential exists:</b> The permit shall include effluent limits for Whole Effluent Toxicity (WET) and influent and effluent monitoring for Total Phosphorus, Dissolved Orthophosphate, Total Nitrate Nitrogen, Total Nitrite Nitrogen, and Total Kjeldahl Nitrogen.									
<b>If inconclusive:</b> The permit shall include influent and effluent monitoring for Total Phosphorus, Dissolved Orthophosphate, Total Nitrate Nitrogen, Total Nitrite Nitrogen, and Total Kjeldahl Nitrogen.									
<b>If reasonable potential does not exist:</b> No additional permit requirements, unless the facility is a POTW with a design capacity of at least 0.1 MGD. In such cases, the permit shall include influent and effluent monitoring for Total Phosphorus, Dissolved Orthophosphate, Total Nitrate Nitrogen, Total Nitrite Nitrogen, and Total Kjeldahl Nitrogen.									