

Indiana FIELD OFFICE TECHNICAL GUIDE

Section III - Resource Management Systems and Quality Criteria

Quality Criteria

Resource: Water

Consideration: Quantity

Excess amounts - Seeps	Surface and subsurface water no longer restricts the desired land use. All rules and regulations relating to wetlands must be followed.
Excess amounts - Runoff - Flooding	Surface water is managed to remove excess amounts so that the desired land use is not limited. In those instances where management of excess surface water is restricted because of policy and laws, such as those pertaining to wetlands and riparian areas, the policy and laws are followed.
Excess amounts - Excess subsurface water	Subsurface water is managed to limit periods of soil saturation to a level that does not limit the desired land use. In those instances where management of saturation is restricted
Inadequate Outlets	All water discharges are safely disposed of through stable outlets of adequate capacity.
Water management for irrigated land	Irrigation water applied meets or exceeds the objective specified by the client without causing degradation of soil, water, plant or other resources of concern.
Water management for non-irrigated land	To be developed
Restricted capacity for sediment deposition in small water conveyance - on-site / off-site	On-site and off-site capacity is restored and maintained as needed in order to provide adequate capacity. Policy and laws, such as those pertaining to wetlands are followed.

Restricted capacity from sediment deposition - water bodies, streams, and lakes	To be developed
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Consideration: Quality

Ground water contaminants - Pesticides	Application of pesticides is according to label instructions and an appropriate pesticide leaching and runoff assessment which considers the leaching potential of the pesticide for soil and site conditions, application method, and other variables such as climate. Federal, state, and local laws are followed.
Ground water contaminants - Nutrients and Organics	Application of nutrients and organics is in balance with plant requirements considering all nutrient sources, soil characteristics, optimum yields, and climatic factors. Federal, state, and local laws are followed.
Ground water contaminants - Salt, Heavy Metals, and Pathogens	The treated area does not contribute contaminants at a level that adversely affect the ground water. Federal, state, and local laws are followed.
Surface water contaminants - Pesticides	Application of pesticides is according to label instructions and an appropriate pesticide assessment which considers the potential loss of pesticides dissolved in the runoff water and/or attached to soil particles transported by water and wind, and proximity to the water body. Federal, state, and local laws are followed.
Surface water contaminants - Nutrients and Organics	Application of nutrients and organics are in balance with plant requirements considering all nutrient sources, soil characteristics, optimum yields, runoff loss potential of nutrients dissolved in the runoff water and/or attached to soil particles transported by water and wind, and proximity to the water body. Federal, state, and local laws are followed.
Suspended sediments and turbidity	To be developed

Low dissolved oxygen	To be developed
Salt	To be developed
Heavy Metals	To be developed
Temperature	To be developed
Pathogens	The actions of the client do not contribute to a know pathogen pollution problem or create a pathogen pollution problem.
Aquatic habitat suitability	Water bodies provide suitable habitat for species of concern to grow, reproduce, and perpetuate acceptable population levels.
