

**APPLICANT'S RESPONSE TO THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
POLICY FOR PROTECTING WATER QUALITY DURING FACILITY CONSTRUCTION**

Prepared by: _____ Date: _____
U. S. Army Corps of Engineers Public Notice Number _____

For each policy, please describe the procedures, practices and/or facilities that will (a) minimize potential pollution of surface waters and (b) demonstrate compliance with State water quality standards (A.A.C. Title 18, Chapter 11, Articles 1, 2 and 3). Please note that the waters of the State include all watercourses, and perennial or intermittent streams (A.R.S. §49-201.31).

POLICY (1) Provision for temporary pollution control measures such as: dikes, basins, ditches, diversions, silt fences and the application of straw and seed, to be functional prior to land disturbing activities.

POLICY (2) Erosion control measures including minimizing clearing and grubbing and limiting exposure of erodible surface to 750,000 square feet for each construction phase or location.

POLICY (3) Construction of footings in water by sheet pile cofferdam method and pumping water from within the dam to settling ponds before returning it to the watercourse.

POLICY (4) Isolation of the construction area by dikes and/or berms.

POLICY (5) Erection of barriers, covers, shields and other protective devices as necessary to prevent any construction materials, equipment or contaminants/pollutants from falling or being thrown into a watercourse.

POLICY (6) Construction of drainage facilities with armoring when necessary to control erosion and sedimentation.

POLICY (7) Provision of an adequate means, such as a bypass channel, to carry a stream free from mud and silt around operations which remove material from beneath a flowing stream.

POLICY (8) A requirement for transportation of materials across live streams to be conducted without muddying the stream. Mechanized equipment should not be operated in stream channels of live streams except as may be necessary to construct crossings or barriers and fill for channel modifications.

POLICY (9) A requirement for wash water from aggregate washing or other operations containing mud or silt to be treated by filtration or retention in a settling pond, or ponds, adequate to prevent water from transporting sediment into streams or watercourses.

POLICY (10) A requirement for oily or greasy substances originating from the contractor's operations not be placed where they will later enter a stream or watercourse.

POLICY (11) Provisions for Portland cement or fresh Portland cement concrete not be allowed to enter flowing water of streams.

POLICY (12) A requirement to return the flow of streams as nearly as possible to a meandering thread without creating a possible future bank erosion problem when operations are completed.

POLICY (13) A requirement that material derived from roadway work should not be deposited in a live stream channel where it could be washed away by stream flows.

POLICY (OTHER POLLUTANTS) A requirement that plans and procedures be prepared for facilities and activities within a watercourse to protect water from pollution with fuels, oil, bitumens, calcium chloride and other harmful materials.

POLICY (MONITORING) The person responsible for the activity should monitor for turbidity every day in which there is a disturbance of the bed of the waterway. Monitoring should be performed not greater than 300 feet downstream from the construction or related operations and 100 feet upstream, and may be required at different frequencies and for other parameters to demonstrate compliance with water quality standards. Reports of turbidity levels should be reported to the Arizona Department of Environmental Quality, Surface Water Quality Section.

ADDITIONAL INFORMATION