



DEPARTMENT OF THE ARMY
U. S. ARMY CORPS OF ENGINEERS, BALTIMORE DISTRICT
ATTN: REGULATORY DIVISION
2 HOPKINS PLAZA
BALTIMORE, MARYLAND 21201-2930

MDSPGP-7

Activity b(3)

Bulkhead Repair or Replacement, Including Stone Toe Protection

The authorized Bulkhead Repair or Replacement, Including Stone Toe Protection activities must comply with the following applicable activity specific conditions, all general conditions of this permit, and any project-specific special conditions.

This activity authorizes the repair or replacement of deteriorating or damaged bulkheads or other forms of vertical walls which are still currently functional. This activity also authorizes the placement of riprap along the base of a replacement or existing bulkhead or other forms of vertical walls and associated excavation for the purpose of toe protection (Sections 10 and/or 404; all waters of the United States).

Category A Impact Limits and Requirements:

- (i) No application is required for Corps authorization.
- (ii) The bulkhead repair or replacement, when using wood or corrugated sheeting, must not extend more than 18 inches channelward of the existing structure as measured from the channelward edge of the existing bulkhead piling to the inner-most face of the proposed bulkhead sheeting.
- (iii) Discharges associated with the repair or replacement of a bulkhead must not exceed an average of one (1) cubic yard per running foot placed along the bank below the plane of the mean high-water mark.
- (iv) Stone toe protection placed along the base of a replacement or existing bulkhead must not extend more than ten (10) feet channelward of the bulkhead.
- (v) No discharge of dredged or fill material may be placed into vegetated wetlands or SAV (documented to exist in the last five years as specified in Section III).

Category B Impact Limits and Requirements:

- (i) An application must be submitted to MDE for Corps authorization. See Section II.D for when an application is required to be submitted for Corps review.
- (ii) The bulkhead repair or replacement, when using wood or corrugated sheeting must not extend more than three (3) feet channelward of the existing structure, as measured from the channelward edge of the existing bulkhead piling to the inner-most face of the proposed bulkhead sheeting, unless the Corps waives this criterion by making a written determination concluding that the discharge of dredged or fill material will result in no more than minimal adverse environmental effects.

(iii) Stone toe protection placed along the base of a replacement or existing bulkhead must not extend more than ten (10) feet channelward of the bulkhead or the minimum necessary to provide adequate stabilization.

(iv) Impacts to waters of the United States are not to exceed 10,000 square feet.

(v) The total amount of special aquatic sites which may be filled or excavated/dredged, in square feet, must not exceed the length of the bulkhead repair along the shoreline in linear feet (e.g., 100 square feet maximum for a 100- foot-long bulkhead), unless the Corps waives this criterion by making a written determination concluding that the discharge of dredged or fill material will result in no more than minimal adverse environmental effects.

(vi) This activity does not authorize the filling of wetlands behind free-standing bulkheads that have never been backfilled.

Requirements Applicable to Both Category A and Category B Activities:

(i) No material may be placed in excess of the minimum needed for erosion protection.

(ii) The linear length of the replacement bulkhead/wall may not extend along the shoreline beyond the ends of the existing bulkhead/wall.

(iii) The existing bulkhead/wall must be functional.

(iv) Any stone used for toe protection must be clean and free of toxins.

(v) Other natural methods of shoreline stabilization such as living shorelines should be considered if practical.