

# ISLE OF WIGHT COUNTY: WATER QUALITY IMPACT ASSESSMENT

## Water-Dependent Structures

Application Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Scheduled for Wetlands Board, if applicable on: \_\_\_\_/\_\_\_\_/\_\_\_\_

|  |      |      |
|--|------|------|
| Is project in Wetlands Board jurisdiction? | Yes  | No   |
| Non-vegetated (between MLW and MHW)        | ____ | ____ |
| Vegetated (1.5 times mean tide range)      | ____ | ____ |

Is project exempt from Wetlands Board hearing?                   \_\_\_\_

What reason for exemption? \_\_\_\_\_

(private single-user piers; private recreation; grazing, haying, forestry; research by VMRC, VIMS, DGIF; aids to navigation authorized by government; emergency measures to protect public health; maintenance/repair or addition to pre-existing roads, highways, RR beds or facilities PROVIDED no waterway is altered or additional wetlands are covered; government activities in wetlands; normal maintenance of pre-existing man-made drainage ditches PROVIDED no additional wetlands are covered)

### SECTION FOR APPLICANTS

Applicant Name: \_\_\_\_\_

Applicant Signature: \_\_\_\_\_

Project Type: \_\_\_\_\_  
(Shoreline stabilization, marina, boat launch, etc.)

Project Address: \_\_\_\_\_

Tax Map/Parcel #: \_\_\_\_\_

VMRC JPA # (if applicable): \_\_\_\_\_

Project Description (Note: The project description as given in the Joint Permit Application can be used in this section):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Purpose Statement:**

The purpose of the Water Quality Impact Assessment (WQIA) is to evaluate the environmental impacts of any proposed development activity, within the Resource Protection Areas (RPA), on water quality and determine specific measures for mitigation of those impacts.

**Proposed Environmental Impacts:**

Square footage of impervious cover within RPA: \_\_\_\_\_

Area of existing woody vegetation to be disturbed: \_\_\_\_\_

Specify mitigation for the environmental impacts. Refer to the state *Riparian Buffers Modification and Mitigation Guidance Manual* for planting requirements. Please be aware lawn grass is not acceptable as planting mitigation in the RPA:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**Submittal Requirements:**

In order to adequately review the project, the applicant must provide one (1) copy of a site plan that includes the information listed below. A Joint Permit Application and its drawings can also be used to satisfy this section.

- Scaled drawing including the project study limits,
- Plan view of proposed development footprint, including proposed material types and locations;
- Field-delineated location of the Resource Protection Area (RPA)- water bodies with perennial flow determination, wetland delineation confirmed by Army Corps of Engineers, and identification of the landward limits of the RPA including the 100-foot buffer area;
- Survey of existing vegetation on site (natural, forested community or the extent of remaining vegetation identified);
- Vegetation to be removed or impacted;
- Limits of land clearing; and,
- Erosion and sediment control measures to be employed.

## SECTION FOR LOCALITY

### **Project Evaluation:**

#### **Water dependent facility:**

1. Is the proposed development within the buffer a “water dependent” activity:
  - Port  Yes  No
  - Stormwater inflow/outfall structure  Yes  No
  - Power plant intake or outfall structure  Yes  No
  - Water treatment plant intake or outfall structure  Yes  No
  - Marina  Yes  No
  - Other boat docking structure  Yes  No
  - Beach and other public water-oriented recreation area  Yes  No
  - Fisheries or other marine resource facility  Yes  No
  - Other water dependent structure  Yes  No
  - If yes, please list the structure \_\_\_\_\_

2. Are all non-water dependent components located outside the RPA?  Yes  No  
 (These may include, but are not limited to, associated parking, dry dock storage, restaurants, repair facilities, treatment facilities, fuel storage tanks. NOTE: Areas involving redevelopment sites may re-use existing impervious areas within the buffer.)

- If no, then the proposed development must apply for an exception.

#### **Preservation of Indigenous Vegetation/ Minimization of Land Disturbance:**

NOTE: If buffer encroachment is necessary, areas without existing woody vegetation or areas consisting of a degraded buffer should be first utilized for access wherever possible, leaving healthy natural areas outside the limits of construction, if practicable.

Size of parcel or lot? \_\_\_\_\_ ft<sup>2</sup>

Total area of RPA buffer onsite? \_\_\_\_\_ ft.<sup>2</sup>

Area of RPA buffer with existing woody vegetation: \_\_\_\_\_ ft.<sup>2</sup>

Area of existing woody vegetation proposed to be disturbed for: impervious area \_\_\_\_\_ ft.<sup>2</sup>  
 access/ grading area \_\_\_\_\_ ft.<sup>2</sup>

Area of degraded buffer or redevelopment to be disturbed: \_\_\_\_\_ ft.<sup>2</sup>  
 Total area of disturbance \_\_\_\_\_ ft.<sup>2</sup>

Is the impervious area the minimum necessary for the proposed use?  Yes  No

Has the RPA encroachment for water dependent components been reduced to the minimal level required by the water dependent activity?  Yes  No

**Mitigation plantings proposed:**

NOTES:

-A forested buffer is suggested by the Virginia Department of Forestry to be >320 woody stems/acre, not including herbaceous vegetation.

- **Lawn grasses are not appropriate for buffer plantings.** Please refer to the Buffer Guidance Manual for assistance.

-Mitigation must satisfy all buffer functions, including retarding runoff, preventing erosion and filtering non-point source pollution from runoff. Mitigation species should be native to the local environment and reference sites should be consulted where possible.

Vegetation to be planted: \_\_\_\_\_ ft.<sup>2</sup>  
 \_\_\_\_\_ plants/ acre

Will the proposed mitigation reduce non-point source pollution runoff, reduce erosion and sedimentation and allow for infiltration? \_\_\_\_Yes \_\_\_\_No

Does the buffer mitigation meet water quality calculations? \_\_\_\_Yes \_\_\_\_No

**Comprehensive plan consistency:**

List consistent or inconsistent comprehensive plan policies (if applicable):

(Example Policies: A public boat access should be located along Hungars Creek. The southeastern area of the reservoir should be preserved as an environmentally sensitive area)

| Policy | Regulatory Citation | Consistent (Y/N)? |
|--------|---------------------|-------------------|
|        |                     |                   |
|        |                     |                   |

**Erosion and Sediment Control:**

Has applicant demonstrated compliance with the local E&S control regulations? \_\_\_\_Yes \_\_\_\_No

If No, additional comments stating that compliance will be required prior to issuance of any land-disturbing permits.

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**Consistency Checklist**

| REQUIRED CONDITION   | Y/N | If no, list the conditions that must be addressed for consistency |
|--|-----|---|
| Does the proposed development minimize land disturbance within the RPA?  |     |   |
| Has indigenous vegetation been preserved to the maximum extent practicable?  |     |   |
| Have the proposed land disturbance (limits of construction) been minimized to the extent practicable?  |     |   |
| Have the proposed land disturbances been minimized?  |     |   |
| Have appropriate mitigation plantings been proposed that will provide the required buffer area functions? <i>(Please refer to the Buffer Guidance Manual for assistance. <b>Lawn grass species are not appropriate as a replacement planting.</b>)</i> |     |   |
| Does the project comply with all erosion and sediment control requirements?  |     |   |
| Have all required wetlands permits and/or a confirmed wetland delineation been submitted for compliance?   |     |   |
| Does the project comply with all stormwater management requirements?   |     |   |
|  |     |   |

