

SUBMITTAL REQUIREMENTS

February 15, 2017

Submittal Requirements – Will be added to administrative manual

In addition to the minimum application requirements in BIMC 2.16.165, aquaculture applications shall include the following information. Applicants shall include in their shoreline permit applications all information required by State and Federal permit applications for new and expanded aquaculture uses and development. Where requested information is not applicable to a specific proposal, the application shall not be required to include all items listed under this section as long as it is demonstrated why the information does not apply, with concurrence from the Administrator.

- a. A site plan, including:
 - i. The perimeter of the proposed aquaculture operation
 - ii. Existing bathymetry depths based on mean lower low water (MLLW datum);
 - iii. Upland land use, topography, vegetation, presence of structures, docks, bulkheads and other shoreline modifications within 200 feet of the subject property lot lines;
 - iv. Public access points within 1500 feet;
 - v. Areas where specific substrate modification will take place or structures will be constructed or installed;
 - vi. Access provisions for marine or vehicle traffic
 - vii. Areas where barges may be grounded;
 - viii. Areas where growing materials will be placed, e.g. net bags, tubes
 - ix. Location of lighting fixtures;
 - x. Location of storage structures or facilities; and
 - xi. Location of waste disposal receptacles or facilities.
- b. A baseline description of existing and seasonal conditions.
 - i. Water quality;
 - ii. Tidal variations;
 - iii. Prevailing storm wind conditions;
 - iv. Current flows at each tidal cycle;
 - v. Flushing rates;
 - vi. Littoral drift;
 - vii. Sediment dispersal, including areas of differing substrate composition;
 - viii. Areas of aquatic, intertidal and upland vegetation complexes; a vegetation habitat survey must be conducted according to the most current WDFW eelgrass and macroalgae survey guidelines;
 - ix. Survey and inventory of detailed species composition, including benthic, epibenthic, and water column species, in addition to utilization by wildlife, such as marine mammals and birds of, or adjacent to, the site;
 - x. Inventory and survey of forage fish, including spawning and other life cycle use of the site or adjacent to the site;
 - xi. Assessment and inventory of organisms is to be conducted at monthly intervals over a period of a year;
 - xii. Inventory of amount of plastics to be introduced into the marine environment;

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- xiii. Probable direct, indirect and cumulative impacts to items b.i through b.x above; and
 - xiv. Visual assessment, including photo analysis/simulation of the proposed activity demonstrating visual impacts within 1,500 feet of the proposed project site. Where predator exclusion devices are proposed, the assessment shall include an analysis of visual impacts of proposed predator exclusion devices at mean high and mean low tides. Generally, the methods for identifying and analyzing potential visual impacts will follow the principals in the Aquaculture Siting Study (Ecology Publication 86-10-000).
- c. An operational plan, which includes the following, when applicable:
- i. Species and quantity to be reared;
 - ii. Source of aquatic product;
 - iii. Methods of site preparation, including species removal, substrate alteration, beach amendment;
 - iv. Anticipated sediment disruption during site preparation, site maintenance and harvesting;
 - v. Implementation methods, including density, schedule, phasing options, time of day, and anticipated lighting and noise levels;
 - vi. Number of employees/workers necessary for the project, including peak and average employment; number of personnel on site during harvest;
 - vii. Methods and location of waste disposal and sanitation facilities;
 - viii. Noise level assessments, including mitigation measures to ensure compliance with BIMC 16.16;
 - ix. A specific plan for identifying and controlling odors
 - x. Anticipated harvest cycles, potential for nighttime activities, and potential plans for future expansion or change in species grown or harvest practices;
 - xi. Methods for predation control, including types of exclusion devices;
 - xii. Number, types and dimensions of structures, apparatus or equipment;
 - xiii. Food and equipment storage;
 - xiv. Anticipated use of any feed, herbicides, antibiotics, vaccines, growth stimulants, antifouling agents, or other chemicals and an assessment of predicted impacts;
 - xv. Methods to address pollutant loading, including biological oxygen demand (BOD);
 - xvi. A schedule for any monitoring required by the permit, including but not limited to water quality, environmental and ecological conditions, odor and debris, equipment loss and drift;
 - xvii. Description of best management practices (BMPs) proposed to minimize project impacts;
 - xviii. A proposal for the information to be provided by the applicant to the city as part of the annual review required by XXX.
 - xix. Other measures to achieve no net loss of ecological functions consistent with the mitigation sequencing described in Section 4.1.2.

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- d. Other applications and reports, when applicable or requested, to ensure compliance with permit conditions, which may include:
 - i. An accepted Washington Department of Natural Resources lease application, including a waiver of preference rights to access for navigation from the upland property owner, if applicable;
 - ii. A lease approved by all private property owners whose tidelands or uplands will be used for any part of the operation; the shoreline permit application shall be signed by each lessor.
 - iii. An accepted Washington Department of Ecology National Pollutant Discharge Elimination System (NPDES) permit, if applicable;
 - iv. An accepted Washington Department of Health beach certification number;
 - v. An accepted WDFW aquatic farm permit, and/or fish transport permit;
 - vi. Proof of application for any state and federal permits/approvals including any required consultation under Section 7 of the Endangered Species Act;
 - vii. Water quality studies;
 - viii. Reports on solids accumulation on the bottom resulting from the permitted activity along with its biological effects;
 - ix. Report on growth, productivity, and chemical contamination of shoreline and intertidal plants and animals within or adjacent to the proposed site;
 - x. Noise level assessments, including mitigation measures to ensure compliance with BIMC 16.16;
 - xi. Monitoring and adaptive management plan for introduction of aquatic species not previously cultivated in Washington State.