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| **Project Name:** |  | **Date:** |  |
| **Engineer Name:** |  | **AK P.E. License No.:** |  |
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| This checklist is required for the construction of new or modification of existing public water system seawater sources or change in use of a seawater source to a public water system source. If the project includes a water transmission main from the source, the Distribution - Piped Checklist (Checklist Number 5.0) should be completed for the transmission main.  **Note:** When completing this checklist, please answer the question and also include where in the submittal detailed information is found for each submittal requirement. Please be as specific as possible (specify document name, page number, section number, paragraph, etc.). This will accelerate the review process. | | | |

| **Submittal Requirements** | ***Regulatory Reference*** |
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| 1. **Drawings and Specifications:**  Do the drawings and specifications included in the submittal for construction of the water source include location, casing and piping materials, screen sizing, and anchoring? | *18 AAC 80.205(a)(2)* |
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| 1. **Source Production:** Does the source production information include source intake, icing prevention, and if this is the sole water source or will it be used to augment another water source? | *18 AAC 80.205(b)(9)* |
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| 1. **Routine Intake Maintenance:** Have provisions for routine intake maintenance been provided? Does the engineer indicate the system operations and maintenance manual provided with the project will include the recommended intake cleaning procedures and schedule? | *18 AAC 80.205(b)(9)* |
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| 1. **Intake Depth:** How has the need for flexibility to use different intake levels been addressed? | *18 AAC 80.205(b)(9)* |
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| 1. **Raw Water Analysis:** For a new source which has been constructed, are results of raw water analyses included? For a proposed source, is the proposed raw water quality sampling plan included? | *18 AAC 80.205 (c)(2) Table B* |
| **Please note:** Raw water sample results for nitrate and nitrite must be analyzed separately for new public water system sources. In addition, the analyses of samples (Table B) must be completed by a State approved laboratory and the samples must be labeled with the public water system’s PWSID. The engineer should contact the appropriate DEC Drinking Water Program office if the public water system does not have a PWSID. | |
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| 1. **Pump and Pump Motor Information**: Do the specifications for the source pump include the pump and motor make, model, pump curve, and appropriateness for use with seawater as well as potable water? | *18 AAC 80.205(b)(9)* |
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| 1. **Backflow Prevention:** For seawater systems also providing water for non-potable uses, is an evaluation of cross-connection prevention for the potable water system provided? | *18 AAC 80.025* |
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| 1. **Sources of Contamination:** Does the site plan show the location or proposed location of the source intake, its protective radius, and all potential sources of contamination within 500 feet of the source intake including wastewater systems and their point of discharge and petroleum tanks and lines? This may include potential contamination sources originating from land, onboard the public water system’s platform or ship, or any other platform or ship stationed within the source’s protective radius and stationary for any length of time. Has the submitting engineer identified situations needing a separation distance waiver? | *18 AAC 80.205(b)(3)* |
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| 1. **Location:** Is a completed Alaska Public Water System Locational Data Collection Form (Longitude/Latitude Form) included for each new source or intake? The form is available on the Drinking Water Program's website at <http://dec.alaska.gov/media/10880/pws-locational-data-collection-form.pdf>. If the water source or intake has not yet been installed, the form will be required for the submittal to request approval to operate the source. | *18 AAC 80.205(b)(4)* |
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| 1. **Water Rights:** Has the engineer or owner contacted Alaska Department of Natural Resources to determine if a water rights application is required? If required, does the submittal include a copy of a letter from Alaska Department of Natural Resources showing the water rights application submitted for each new source or intake is “complete” or “substantially complete?” | *AS 46.15 Inter-agency agreement* |
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