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| **Project Name:** |  | **Date:** |  |
| **Engineer Name:** |  | **AK P.E. License No.:** |  |
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| This checklist is required for all new or modification of existing public water system surface water or groundwater under the direct influence of surface water (GWUDISW) sources or change in use of a surface water or GWUDISW 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, intake details, anchoring, well grouting, source protection details, and the proposed test (drawdown) pumping methods? | *18 AAC 80.205(a)(2)* |
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| 1. **Erosion, Icing, and Siltation:** How have the issues of erosion, icing, and siltation been addressed? | *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. **Source Intake Adjustability:** How has the need for flexibility to use different intake levels been addressed? | *18 AAC 80.205(b)(9)* |
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| 1. **Site Plan:** Does the site plan show the location or proposed location of the source intake, its protective radius regardless of property boundaries, and all potential sources of contamination within 500 feet of the source well or intake? Has the submitting engineer identified situations needing a separation distance waiver? | *18 AAC 80.205(b)(3)* |
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| 1. **Contaminated Sites:**  Is documentation provided showing the Contaminated Sites Program’s webmap has been consulted to locate contaminated sites with potential to affect the source water? The Contaminated Sites Program’s webmap can be accessed at <http://www.arcgis.com/home/item.html?id=315240bfbaf84aa0b8272ad1cef3cad3>. If there is a potential for contaminants to impact the source water quality, what mitigation is proposed? | *18 AAC 80.020(a)* |
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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 analysis of all Table B samples 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. **Seasonal Source Water Contamination:** Does the source water evaluation include seasonal contamination such as seasonal changes from turbidity, stormwater runoff, animal migration, and salmon spawning, etc? | *18 AAC 80.205(b)(9)* |
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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 well 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.](http://dec.alaska.gov/media/10880/pws-locational-data-collection-form.pdf) If the 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)*  *80.015(c)(1)(B)* |
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| 1. **Water Rights:** Does the submittal include a copy of a letter from Alaska Department of Natural Resources showing the water rights application for each proposed water source is “complete” or “substantially complete?” | *AS 46.15 Inter-agency agreement* |
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| 1. **LT2 Sampling:** What is the name and contact information for the person that will be working with DEC to set up LT2 sampling? | *18 AAC 80.205(b)(9)* |
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| 1. **Pump and Pump Motor Information:** Do the specifications for the source pump include the pump and motor make, model, and pump curve? | *18 AAC 80.205(b)(9)* |
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| 1. **Service Pressure:** If the source pump will be used to meet distribution pressure and flow, do the engineering calculations show the pump is capable of maintaining at least 20 psi of service pressure at the highest service elevation or pressure zone of the distribution under peak demand flow conditions? | *18 AAC 80.205(a)(5)* |
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