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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 corrosion control systems.  **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. **Review Fee:** Is the plan review fee for designation of optimal corrosion control treatment included with this submittal or has it been previously paid? | *18 AAC 80.1910 (a)(9)* |
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| 1. **Design Documents:** Are drawings and specifications for construction of the proposed corrosion control treatment system included in the submittal? | *18 AAC 80.205(a)(2)* |
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| 1. **Corrosion Control Studies:** Does the evaluation include the effectiveness of each of the following corrosion control treatments and consider appropriate combinations to identify the optimal corrosion control treatment: alkalinity and pH adjustment, calcium hardness adjustment, and the addition of a phosphate or silicate based corrosion inhibitor at a concentration sufficient to maintain an effective residual concentration in all test tap samples? Computer software used to evaluate corrosion control methods and parameters should be identified, and pertinent reference information should be included. Has a pilot study been completed? | *40 CFR 141.82(c)* |
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| 1. **Water Quality Parameters:** Are test results collected before and after evaluating each corrosion control method for iron, manganese, lead, calcium, copper, conductivity, pH, orthophosphate or silicate inhibitors (if used), alkalinity, and water temperature? | *40 CFR 141.82(c)(3)* |
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| 1. **Treatment Constraints:** Are all chemical and physical constraints identified anticipated to limit or prohibit the use of a particular treatment method? Include documentation showing why the method is or is not expected to work for this system. | *40 CFR 141 Subpart I*  *40 CFR 141.82(c)(4)* |
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| 1. **Treatment Effects:** Is an evaluation included of the effects the recommended corrosion control method is expected to have on other water quality treatment processes at this plant and in the finished water quality? | *40 CFR 141 Subpart I*  *40 CFR 141.82(c)(5)* |
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| 1. **Chemical Monitoring Equipment:** Are the model, make, and specifications of all proposed monitoring equipment used to optimize chemical dosing included? | *18 AAC 80.205(b)(9)* |
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| 1. **Sample Taps:** Which drawing shows the proposed location of all necessary sample taps or other sampling points? | *18 AAC 80.205(b)(9)* |
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| 1. **Disinfection:** Which specifications address disinfection of the treatment plant component(s) affected by the project before use? If AWWA Standard C653 is not specified, is the proposed method adequately detailed for the contractor to implement? | *18 AAC 80.010(d)(2)* |
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| 1. **Bottled Water, or POU or POE Treatment Devices:** If bottled water, or a point of use (POU) or point of entry (POE) treatment device is proposed, how will the regulatory requirements will be met? The Treatment - POU and POE Checklist (Checklist Number 6.2) must be completed for proposed point of use and point of entry treatment devices. | *18 AAC 80.365* |
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