**FLUORIDATION CHECKLIST**

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| --- | --- | --- | --- |
| Project Name: |  | | |
| Reviewed By: |  | Date: |  |

Describe Fluoridation System, including controls:

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| **General (12 VAC 5-590-930)** | |
| Dry or liquid chemical feed system review sheet provided | Yes  No  N/A |
| Chemical fed:  ☐ sodium fluoride  ☐ sodium fluorosilicate (also called sodium  silicofluoride)  ☐ fluorosilicic acid (also called hydrofluorosilicic acid)  Conforms to the applicable AWWA standards or NSF/ANSI/CAN Standard 60-2020, as appropriate. | Yes  No |
| Fluoride chemicals shall be isolated from other chemicals to prevent  cross contamination. Compounds shall be stored in covered or unopened shipping containers in a separate room (except sodium fluoride saturators) with the chemical feeder. | Yes  No |
| Scales and loss-of-weight recorders for dry chemical feeders and hydrofluorosilicic acid feeders provided? | Yes  No  N/A |
| Fluoride metering pumps have an accuracy so that the actual feed rate will be within 5.0% of the intended feed rate? | Yes  No  N/A |
| The point of application is located to provide adequate mixing? | Yes  No |
| All fluoride feed lines are provided with adequate anti-siphon devices? | Yes  No |
| Design of fluoride saturators shall consider:  a. The source water hardness. (Insert hardness)  The water applied to the sodium fluoride saturator feeders shall be softened if the hardness exceeds 50 mg/L.  b. The fluoride source. Use only sodium fluoride in the saturators.  c. A flow restrictor with a maximum flow of 2.0 gpm on all upflow saturators. | \_\_\_\_\_\_\_\_\_\_\_\_\_mg/L  Yes  No  N/A  Yes  No  N/A  Yes  No  N/A |
| Adequate fluoride feed rate control and mixing is provided? | Yes  No |
| Provisions are made for venting fluorosilicic acid carboys to the outside of the building when the carboys are in use? | Yes  No  N/A |
| Suitable protective equipment are provided which includes gloves, aprons, dust mask, and goggles? | Yes  No |
| Suitable equipment are provided for wet mopping and hosing dust that might accumulate in the plant? Dry feeders are equipped with bag loading hoppers? | Yes  No |
| Equipment is provided for measuring the quantity of fluoride ion in the water. Testing equipment is colorimetric or electrode type as approved by the department. | Yes  No |