

Original Issue Date: January 21, 2013

Revision Date:

Maintenance for Neurer Treatment Basin (Cumberland, Wisconsin)

To ensure sustainability of the Neurer Treatment Basin, maintenance is required. This includes the storm sewer manholes & catch basins, pre-treatment stormwater quality unit, the overflow pipe to Library Lake, the pipe inlet forebays, the basin surface & vegetation, and the overflow rock berm.

Schedule

Annually

1. Once during the spring, mid-summer, and late fall visually inspect the facilities for accumulated sediment, debris, trash, etc. Remove accumulated sediment, debris, trash, etc. as needed following the inspections.
2. Following rain events of 0.50-inches and greater, inspect the basin surface, overflow rock berm, and overflow pipe to Library Lake to ensure they are not clogged or blocked. If they are clogged or blocked, perform maintenance to ensure system performance.
3. Once during the spring, inspect all structural components (manholes, catch basins, pipes, etc.) to ensure the structural integrity has not been compromised.

Biannually

Starting in 2014, review this maintenance plan every other year and revise as necessary to ensure the functionality of the structures components and basin are not being compromised due to unforeseen circumstances, natural or man-made.

Year 1 (2013)

During the first growing season, maintenance should be performed as necessary to ensure there is no more than 30% coverage of exotic and/or non-native volunteer (unplanted) species in the planted area throughout the year. Seedlings of at least three (3) native grasses and three (3) native forbs should be widely dispersed through the seeded area.

Year 2 (2014)

During the second growing season, maintenance should be performed as necessary to ensure there is no more than 20% coverage of exotic and/or non-native volunteer (unplanted) species in the planted area throughout the year. The site should have a minimum of 50% coverage by the native grasses and forbs seeded and planted.

Year 3 (2015)

During the third growing season, maintenance should be performed as necessary to ensure there is no more than 10% coverage of exotic and/or non-native volunteer (unplanted) species in the planted area throughout the year. The site should have a minimum of 60% coverage by the native grasses and forbs seeded and planted.

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Year 4 (2016)

During the fourth growing season, maintenance should be performed as necessary to ensure there is no more than 5% coverage of exotic and/or non-native volunteer (unplanted) species in the planted area throughout the year. The site should have a minimum of 70% coverage by the native grasses and forbs as seeded and planted.

Year 5 (2017)

During the fourth growing season, maintenance should be performed as necessary to ensure there is no more than 2% coverage of exotic and/or non-native volunteer (unplanted) species in the planted area throughout the year. The site should have a minimum of 80% coverage by the native grasses and forbs as seeded and planted.

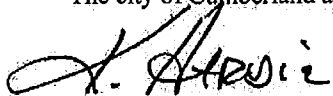
Years 6-10 (2018 – 2022)

During these later years, perform maintenance as necessary to ensure the site has a minimum of 90% coverage by the native grasses and forbs as seeded and planted.

Maintenance shall include, but not be limited to:

1. Mow, weed-whip, or trim seeded upland areas when vegetation height reaches 6 to 10 inches.
2. Perform maintenance as necessary to prevent weed seeds from setting in.
3. Eradicate all volunteer woody seedlings as they become evident.
4. Remove dead or damaged material.
5. Vegetation replacement using seed and live plantings.

The city of Cumberland agrees to be responsible for the maintenance of this facility as specified above.



Keith Hardie
Public Works Director

2-15-13
Date