



Clean Water Fund Memorandum (2016 – 005)

Nutrient Grant Eligibility Related to Phosphorous Removal on Clean Water Fund Projects

I. PURPOSE

To provide a clear and consistent methodology for determining Connecticut Clean Water Fund (CWF) eligibility and funding grant percentage for phosphorous removal treatment plant projects.

II. GOVERNING STATUTES

The Connecticut General Statutes (CGS) Section 22a-478(c)(3) states the following funding allotment for phosphorous removal projects:

“A construction contract eligible for financing awarded by a municipality on or after July 1, 2012, as a project undertaken for nutrient removal shall receive a project grant of thirty per cent of the cost of the project associated with nutrient removal, a twenty per cent grant for the balance of the cost of the project not related to nutrient removal, and a loan for the remainder of the costs of the project, not exceeding one hundred per cent of the eligible water quality project costs.”

The grant percentage applied to phosphorus removal projects may be subject to amendment by the legislature. The final grant percentage applied to the eligible project components shall be consistent with any applicable statutes.

III. ELIGIBILITY

The grant funding is the statutory percentage as applied to the eligible portion indicated below.

- 1. Preliminary Treatment..... zero%
- 2. Primary Treatment
 - a. Phosphorus removal chemical feed systems..... 100%
- 3. Secondary Treatment
 - a. Biological phosphorus removal tankage..... 100%
 - b. Phosphorus removal chemical feed systems..... 100%
- 4. Secondary Clarifiers
 - a. Phosphorus removal chemical feed systems..... 100%
 - b. Density current baffles..... 100%
- 5. Polishing Filters (i.e. sand filters, multi-media filters, disc filters, membrane filters)..... 100%

- 6. Ballasted Sedimentation Systems..... 100%
- 7. Pumping of plant flow – only if necessary for hydraulic profile due to added phosphorus removal facilities..... 100%
- 8. Laboratory phosphorous testing equipment - not to include auto analyzers..... 100%
- 9. Solids handling/processing - not to include digester facilities
 - not eligible if facilities are currently operated part-time
 - a. Facilities with average monthly permit limits greater than 0.31 mg/l..... zero%
 - b. Facilities with average monthly permit limits less than or equal to 0.31 mg/l 25%
- 10. Sitework
 - a. Demolition, dewatering & piles - if required to construct phosphorus removal facilities..... 100%
 - b. Other – piping, bedding, restoration, etc. to be determined with the following formula:

$$\frac{\text{Construction costs eligible for Phosphorus Removal Grant} \times (\text{CWF eligible site work costs} - \text{demolition})}{\text{CWF eligible construction costs}}$$

- 11. Electrical – to be determined with the following formula:

$$\frac{\text{Construction costs eligible for Phosphorus Removal Grant} \times (\text{CWF eligible electrical costs})}{\text{CWF eligible construction costs}}$$

- 12. Plant water system..... 100%

- 13. Engineering services – to be determined with the following formula:

$$\frac{\text{Construction costs eligible for PR Grant} \times (\text{CWF eligible design and construction engineering costs})}{\text{CWF eligible construction costs}}$$

- 14. Construction Contingency – to be determined with the following formula:

$$\frac{\text{Construction costs eligible for Phosphorus Removal Grant} \times (\text{Reasonable CWF eligible construction costs})}{\text{CWF eligible construction costs}}$$

IV. DEFINITIONS

CWF: Connecticut Clean Water Fund

CGS: Connecticut General Statutes

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