

INSTRUCTIONS CERTIFICATION FORM COMPLIANCE WITH THE REQUIREMENTS OF 143-355.4.(b)(6)

The recent droughts in North Carolina resulted in new legislation to promote conservation and improved utilization of the State's water resources. Part of this legislation was implemented to ensure that water systems were complying with conservation goals before new funding would be made available for future water system expansions. In order for an applicant to qualify for State infrastructure funding after July 1, 2009, they must demonstrate compliance with the requirements of 143-355.4.(b)(1) – (7).

In accordance with N.C.G.S. 143-355.4(b)(6), funding agencies including the Public Water Supply Section of the NC Division of Environmental Health (PWSS) and the NC Rural Center will not accept an application for State water infrastructure funds from the Drinking Water Revolving Fund or the Drinking Water Reserve Fund for the purpose of extending waterlines or expanding water treatment capacity unless all the required application requirements are submitted. In order for the funding application to be approved, the application must provide complete justification for the extended waterlines and/or expanded water treatment system. In accordance with 143-355.4(b)(6), a complete application for funding must evaluate the extent to which the future needs of the water system can be met by the use of reclaimed water. Numerous communities in North Carolina and throughout the country have already demonstrated the benefits of using reclaimed water.

Please note that if a proposed system expansion is subject to SEPA Environmental Assessment (EA)/Environmental Impact Statement (EIS) requirements, the reclaimed water evaluation must be incorporated into the SEPA document. In addition, the funding agencies cannot accept an application for funding until Departmental review of the SEPA document is complete and a Finding of No Significant Impact (FONSI) has been submitted to the State Clearinghouse for circulation.

Therefore the **CERTIFICATION FORM DEMONSTRATING COMPLIANCE WITH THE REQUIREMENTS OF 143-355.4.(b)(6)** must be completed, signed by the appropriate system official and submitted as part of the funding application before the request can be processed.

Failure to submit the required evaluation will result in return of the incomplete package. If you have any questions about these requirements, contact the PWSS or Rural Center staff. Application forms and guidance documents are available on the PWSS or the Rural Center web site.

CERTIFICATION FORM DEMONSTRATING COMPLIANCE WITH THE REQUIREMENTS OF 143-355.4.(b)(6)

(i) It is recognized that the ability to use reclaimed water may be limited for some scenarios, and that a full alternatives evaluation may not be warranted. If there is some question as to whether an alternative evaluation may not be warranted, contact the staff of the Public Water Supply Section (PWSS) of the Division of Environmental Health. Some scenarios that do not require a full alternatives evaluation include:

- Water distributions system extensions in systems that do not have a centralized wastewater treatment plant.
- Water distribution system expansions that will be met by the system's existing reclaimed water system.
- Water treatment plant improvements that do not expand its treatment capacity.
- Water line extensions to address contaminated drinking water wells or to consolidate failing systems.
- Other water system projects that similarly do not involve extension of waterlines or expansion of treatment capability for purposes of growth.

If one of the above scenarios applies to the requested project, go to (vi) and attach a copy of the evaluation that led to that conclusion.

Aside from these exceptions, the applicant must proceed with the alternatives evaluation in accordance with the following requirements. If you have any questions about these requirements, contact the funding agency staff.

- (ii) What percent of the **current** water supplied by the water system is used for each of the _____ % purposes identified on the attached list of DWQ approved uses of reclaimed water.
- (iii) What percent of the system's future water needs (20 – 30 year planning horizon as per _____ % the system's most recent Local Water Supply Plan) will be used for each of the purposes identified in the attached list of DWQ uses of reclaimed water.
- (iv) Has the system completed a comprehensive evaluation of its current and future reclaimed water reuse opportunities? If yes go to (v), **if no the system must complete the comprehensive evaluation or the system does not qualify for State infrastructure funds.** A comprehensive evaluation should, at a minimum, include the following elements:
- A discussion of the present availability of reclaimed water that includes an analysis of both the availability of reclaimed water from sources owned and operated by the applicant and the possibility of acquiring reclaimed water from other nearby water systems.

- A discussion of both the technological and economic feasibility of providing additional treatment of wastewater within the applicant's water system to create and/or enhance the supply of reclaimed water within the system.
- An analysis of the potential large volume users of reclaimed water within the system, such as industries with a demand for cooling water or large irrigation users.
- A cost benefit analysis that examines the potential of providing reclaimed water for non-potable uses either in bulk deliveries or by a pipeline compared to the expansion of potable water lines to supply these non-potable uses.

(v) Did the evaluation show the use of reclaimed water to be both technically and economically practical and will the water system implement the recommended results of the evaluation?

If yes, go to (vi) and attach a copy of the of the timeline for implementing the recommendations from this evaluation.

If no, go to (vi) provide an explanation regarding why the use of reclaimed water is not a practical option for this system or provide an explanation as to why the system has decided against implementing the results of the evaluation.

(vi) The system complies with the requirements of 143-355.4(b)(6).

I hereby certify that the water system that I represent has complied with the requirements of 143-355.4.(b)(6).

Print or Type Name of Water System

Print or Type Name and Title of Appropriate System Official

Signature

Date

Division of Water Quality Approved Uses for Reclaimed Water

(Further information regarding DWQ requirements concerning the use of reclaimed waters is contained in 15A NCAC 02T .0900.)

1. Residential landscape and turf irrigation
2. Industrial, institutional and commercial landscape and turf irrigation
3. Governmental landscape and turf irrigation (parks, school grounds, ball fields, highway medians, etc.)
4. Golf Course irrigation
5. Cooling water
6. Boiler water
7. Industrial process water
8. Industrial and commercial fire prevention systems
9. Wetland augmentation
10. Irrigation of crops not for human consumption
11. Irrigation to food chain crops
12. Firefighting and fire extinguishing
13. Reclaimed water distribution line pressure testing
14. Urinal and toilet flushing in commercial and commercial facilities
15. Vehicle and equipment washing
16. Power washing
17. Make-up water for preparation of pesticides or similar
18. Make-up water for brine slurry or similar
19. Concrete production
20. Compost production
21. Concrete cutting
22. Decorative ponds and fountains
23. Sewer cleaning
24. Soil compaction and dust suppression
25. Street sweeping (not street washing)
26. Subsurface directional boring
27. Hydro-seeding and fertilizer mixing