

Categorical Exclusion Review Checklist for DWSRF Projects

Applicant Dublin, Town of
 PWSID NC0309025

WIF # 1806
 P&S Serial # N/A

Required for all Categorical Exclusions (CE's)

Cross Cutting Authority	Responsible Agency, Action(s) Taken & Dates
Archeological and Historic Preservation Act of 1974, Pub. L. 86-523, as amended	North Carolina Cultural Resources for signoff. <input checked="" type="checkbox"/> Blanket letter from applicant OK? <u>9/27/2013</u> <input type="checkbox"/> Comments from agency OK? _____
National Historic Preservation Act of 1966, PL 89-665, as amended	
Protection of Wetlands, Executive Order 11990	USACE <input type="checkbox"/> By "no permits required" comment letter from USACOE _____ <input type="checkbox"/> By sealed & signed "no jurisdiction" blanket comment letter from applicant's engineer _____ <input checked="" type="checkbox"/> By sealed & signed "no permits required" blanket comment letter from applicant's engineer <u>9/27/2013</u> <input type="checkbox"/> By sealed & signed "all permits in place" blanket comment letter from applicant's engineer _____
Endangered Species Act, Pub. L. 93-205, as amended	USFWS for signoff <input type="checkbox"/> Comments from USFWS OK _____ <input checked="" type="checkbox"/> By sealed & signed blanket letter from applicant's engineer for project scopes that don't require comments (see factsheet) <u>9/27/2013</u> <input type="checkbox"/> By sealed & signed blanket letter from applicant's engineer after 30 days pass without USFWS comment _____
Fish and Wildlife Coordination Act, Pub. L. 85-624, as amended	
Wild and Scenic Rivers Act, Pub. L. 90-542, as amended	
Environmental Justice, Executive Order 12898	Loans and Grants group and Regional Engineer Based on the discussions with the regional engineer during the priority review period: <u>AMR projects do not raise EJ questions</u> 1. Does the potentially affected community include an EJ community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2. Are there significant environmental impacts likely to fall disproportionately on minority and/or low-income members of the community and/or tribal resources? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No DWI Determination [Signature] Bladen
Coastal Barrier Resources Act, Pub. L. 97-348	Division of Coastal Management (DCM) 1. Is this project located in any of the following counties: <i>Beaufort, Bertie, Brunswick, Camden, Carteret, Chowan, Craven, Currituck, Dare, Gates, Hertford, Hyde, New Hanover, Onslow, Pamlico, Pasquotank, Pender, Perquimans, Tyrrell, and Washington</i> ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2. If the answer to question #1 is "Yes", then DCM must find if the project is in an Area of Environmental Concern (AEC) established by the Coastal Resources Commission. Is it in one of these AEC's? <input type="checkbox"/> Yes <input type="checkbox"/> No DCM Response Date: _____ 3. If the answer to question #2 is "Yes", then the project requires a CAMA permit. Does the project have a CAMA permit? <input type="checkbox"/> Yes <input type="checkbox"/> No CAMA Permit Date: _____
Coastal Zone Management Act, Pub. L. 92-583, as amended	

CE posted on Web? (optional) _____

No CAMA Permit Required

Request for Categorical Exclusion from Substantive Environmental Review

Instructions:

1. Provide the DEH number for the project for which you are requesting consideration.
2. Please fill out the applicant's formal name. If you are a county authority, please specify which county. "County Water District VII" is not an acceptable name; "ABC County Water District VII" is acceptable.
3. Please check all applicable exclusions. Failure to check an applicable exclusion will result in the rejection of your request.
4. Either the "authorized representative," or the Professional Engineer responsible for the PER must sign the form. If the PE signs the form, it must include the PE seal.

DEH No.: 1806

PWSID: NC0309025

Applicant: Town of Dublin

Project Description

Town of Dublin Automated Water Meter Replacement Project to replace or retrofit approximately 268 existing water meters in the District's water system.

We certify that the project described in the application for state-supplied financial assistance meets all of the applicable general criteria listed in 15A NCAC 01C .0408 (1), and consists solely of activities exempted under the specific criteria of 15A NCAC 01C .0408 (2) checked below:

Please check all the exclusion(s) that apply:

- Potable water systems including the construction or rehabilitation of wells for water supply purposes with associated groundwater withdrawals of less than 1,000,000 gallons per day where such withdrawals are not expected to cause alterations in established land use patterns, or degradation of groundwater or surface water quality.
[15A NCAC 01C .0408 (2)(c)].

Other potable water systems including the following:

- Improvements to water treatment plants that involve less than 1,000,000 gallons per day added capacity and total design withdrawal less than one-fifth of the 7-day, 10-year low flow of the contributing stream;
[15A NCAC 01C .0408 (2)(b)(i)]
- Improvements not intended to add capacity to the facility; [15A NCAC 01C .0408 (2)(b)(ii)]
- Installation of waterlines and appurtenances in existing rights-of-way for streets or utilities, or water lines and appurtenances less than five miles in length and having only directional bore stream crossings or no stream crossings; [NCGS, § 113A-12(1) & 15A NCAC 01C .0408 (2)(b)(iii)]
- Construction of water tanks, or booster pumping or secondary or remote disinfection stations;
[15A NCAC 01C .0408 (2)(b)(iv)]
- Dams less than 25 feet in height and having less than 50 acre-feet or storage capacity [15A NCAC 01C .0408 (2)(h)] (Notes: #1 Dam projects are ineligible for federally recognized CE. #2 Only off-stream raw water reservoirs for pre-treatment purposes are eligible for SRF funding.)

We further certify that the project does not have a significant direct, indirect, cumulative or secondary adverse environmental impact as described in 15A NCAC 01C .0306, and that none of the following descriptions apply to the project:

- the proposed activity may have a potential for significant adverse effects on wetlands; surface waters such as rivers, streams and estuaries; parklands; game lands; prime agricultural or forest lands; or areas of local, state or federally recognized scenic, recreational, archaeological, ecological, scientific research or historical value, including secondary impacts; or would threaten a species identified on the Department of Interior's or the state's threatened and endangered species lists; [15A NCAC 01C .0306 (1)] or
- the proposed activity could cause changes in industrial, commercial, residential, agricultural, or silvicultural land use concentrations or distributions which would be expected to create adverse water quality, instream flow, air quality, or ground water impacts; or affect long-term recreational benefits, fish, wildlife, or their natural habitats; [15A NCAC 01C .0306 (2)] or
- the proposed activity has secondary impacts, or is part of cumulative impacts, not generally covered in the approval process for the state action, and that may result in a potential risk to human health or the environment; [15A NCAC 01C .0306 (3)].

Therefore, we believe our project is eligible for consideration for a CE from the State's environmental assessment review processes and request that the State of North Carolina concur with our determination.

We understand that the State of North Carolina may determine that the proposed activity is of such an unusual nature or has such widespread implications that a concern for its environmental effects has been identified by DENR or expressed to DENR. We understand that, in this case, the activity may be ineligible for CE under 15A NCAC 01C .0306 (4).

We recognize that this request supplies information sufficient **only** for state-financed assistance under the 15A NCAC 01J and 01L rules. If we are applying (either additionally or exclusively) for federally-financed assistance under the Drinking Water State Revolving Fund Program, additional steps (including obtaining comment letters and publicizing the requested action) apply.

Horace R. Wyatt

Authorized Representative Printed Name

Horace Wyatt

9/27/2013

Authorized Representative Signature & Date
Mayor

Authorized Representative Title

State Use Only (Review)

Reviewed by: *Davis*

Date: 12/5/2013

Departmental Approval: *Kenneth J. Tomar*

Date: 9/5/2013

ff 9/27/2013

WITHERS & RAVENEL

PRELIMINARY ENGINEERING REPORT

TOWN OF DUBLIN

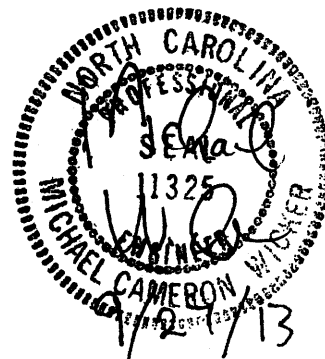
2013 AUTOMATED WATER METER REPLACEMENT

Prepared for:

Town of Dublin
P.O. Box 36
Dublin, NC 28332
910-862-4301

Prepared by:

WITHERS & RAVENEL, INC.
115 MacKenan Drive
Cary, North Carolina 27511
919-469-3340
License # C-0832



SEPTEMBER 2013

W&R Project No. P0213079.00

- Currently the Town uses one vehicle for meter reading activities. The current vehicle requirement for meter reading is (1 vehicle) x (8 hrs/day) x (1 days/month) x (0.6 gph (idling) x (12 months) = 58 gallons/year @ \$3.50 /gal. = \$203.
- With radio read meters the vehicle requirement for meter reading will be (1 vehicle) @ (0.5 hrs/day) (1 day/month) x (0.6 gph) = 0.3 gallon/year @ \$3.50 /gal. = \$1.05.
- Fuel savings are estimated at \$202 per year.
- For the year 57 gallons will be saved and will eliminate about 1,140 lbs. of CO₂ at 20 lbs CO₂ per gallon.

Water Loss Revenue Gained	\$2,176
Labor, meter reading, data entry	\$ 2,112
Vehicle, fuel savings	\$202
Total	\$4,490

The total estimated project cost is \$147,190, to be paid with a DWSRF loan to be paid back over 20 years. With an 85% disadvantaged community forgiveness of the loan the payback drops to 5 years.

This business case concludes that the project is "green" under North Carolina's drinking water state revolving fund (DWSRF) guidelines.

The actual manufacture's performance warrantee is not available for the meters covered by this project. But this project replaces meters more than fifteen years old, which are known to under-read (especially at low flows). The meters proposed for replacement will have exceeded the system's suppliers recommendations for replacement and based on observations typically achieved in the industry increase water revenue by 10%.

6 ENVIRONMENTAL ADDENDUM

The proposed project meets all the categorical exclusions from the State Environmental Policy act as the total construction involves construction in right-of-way on existing water lines. Attached is a draft CE Form for the project.

The statement below addresses the USACE blanket statement requirements.

"None of the construction activities or facilities themselves is to occur in a stream, lake, or other body of water or in wetlands. The project includes no stream crossings. Therefore, I have determined that no US Army Corps of Engineers Permit is required."

The project also does not trigger any FEMA related issues and will follow all the conditions listed below. The Town of Dublin has an approved flood plain ordinance. All areas in Town are above the 100 year floodplain.

The project has no Cultural Resource impacts as it involves the replacement of existing water meters on existing water lines.

The project has no US Fish and Wildlife impacts as it involves the replacement on existing water meters for existing services on existing water lines.

Michael C. Wicker

Michael C. Wicker, P.E. NC 11325

