208 Water Quality Management Plan

South Carolina Department of Health and Environmental Control
Bureau of Water www.scdhec.gov/water

August 2011
Update for the
Non-Designated
Area of South Carolina

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Table of Contents

ACKNOWLEDGEMENTS **3**
TABLE OF CONTENTS **4**
ABBREVIATIONS **5**
DEFINITIONS **6**
INTRODUCTION **7**
GENERAL DESCRIPTION OF THE PLANNING AREA **8**
INSTITUTIONAL DESIGNATIONS AND RESPONSIBILITIES **9**
A. The Designated Water Quality Planning Agencies 9
B. The Designated Management Agencies 9
WASTEWATER MANAGEMENT POLICIES **11**
A. Location, Sizing, Phasing, and Level of Treatment 11
B. Elimination of Discharges and Consolidation of Facilities 11
C. Onsite Wastewater Systems 12
ADMINISTRATIVE PROCEDURES **12**
A. Conformance Reviews 12
B. Plan Updates and Amendments 13
WASTEWATER DISCHARGER ISSUES **15**
A. Treatment Facilities and Capacities 15
B. Total Daily Maximum Loads (TMDLs) and Wasteload Allocations (WLAs) 21
MANAGEMENT AGENCY ISSUES **22**
A. Designated Management Agencies and Service Areas 22
B. Future Wastewater Plans 27
C. Intergovernmental Agreements 27
PLAN IMPLEMENTATION **32**
A. Roles and Responsibilities 32
B. Nonpoint Source Pollution 33
C. Funding 34
APPENDIX A **35**
APPENDIX B **36**

Abbreviations

CFR	Code of Federal Regulations
COG	Council of Governments
CWA	Clean Water Act
DHEC	Department of Health and Environmental Control
EPA	Environmental Protection Agency
GPD	Gallons per day
LA	Load allocation
NPDES	National Pollutant Discharge Elimination System
NPS	Nonpoint source pollution
PER	Preliminary engineering report
SRF	State Revolving Fund
TMDL	Total maximum daily load
WLA	Wasteload allocation

Definitions

Community System: An onsite wastewater system serving more than one piece of deeded property.

Conformance Review: The process by which an applicable wastewater-related project is reviewed to determine whether or not it conflicts with the State Water Quality Management Plan.

Designated Management Agency: A public entity chosen by the Governor and approved by EPA that has adequate legal authority and is willing to carry out appropriate portions of a 208 Water Quality Management Plan.

Designated Planning Agency: A single representative organization, including elected officials, that is capable of developing effective regional wastewater treatment management plans for a specific geographical area.

Management Area: The geographical area within which a management agency has the responsibility to make planning and management decisions.

Onsite Wastewater System: A system, generally consisting of a septic tank(s) and a subsurface wastewater infiltration area, designed to treat and dispose of domestic wastewater through natural processes that result in effluent being transmitted through the soil, renovated and ultimately discharged to groundwater.

Plan Amendment: A modification to the 208 Water Quality Management Plan to change a portion of the Plan, usually to reflect policy and/or planning area changes.

Plan Update: A comprehensive modification of the 208 Water Quality Management Plan in which the entire plan is reviewed, brought up to date and/or revised.

Service Area: The geographical area within which a management agency currently provides wastewater collection and/or treatment services.*

* Sewer service areas are considered current at the time of publication of this document. This Plan may be modified to reflect subsequent sewer service area changes.

I. Introduction

In 1972, the United States Congress enacted legislation that provided a national strategy for cleaning up the nation's waters. This legislation, known as the Clean Water Act, created a goal of "fishable-swimmable waters" in the United States. Among other planning activities, Section 208 of the Act was developed for the purpose of encouraging and facilitating the development and implementation of area-wide wastewater management plans. It required governors to identify areas with water quality problems and designate an entity to develop management plans to address those problems.

In 1975, the Governor of South Carolina designated five Councils of Governments (COGs) as planning agencies for five regions of the State, which, as a result of urbanization, among other factors, had substantial water quality issues. In 2004, the Santee-Lynches Regional COG was designated as a planning agency, bringing the total number of designated planning agencies in the State to six. The six planning agencies are:

- Appalachian Council of Governments
- Berkeley-Charleston-Dorchester Council of Governments
- Central Midlands Council of Governments
- Lowcountry Council of Governments
- Santee-Lynches Regional Council of Governments
- Waccamaw Regional Council of Governments

These six COGs are responsible for planning in 24 of the State's 46 counties. The South Carolina Department of Health and Environmental Control (DHEC) is the planning agency for the remaining 22 counties known as the non-designated area of the State. At the time planning agencies were designated, the non-designated area consisted of rural or small urban communities where significant water quality problems were not likely to exist. However, the non-designated area now includes municipalities that have experienced significant growth including Aiken, Florence, Greenwood, Orangeburg and Rock Hill.

Since the seven planning agencies, including DHEC, first completed their respective management plans in 1979, these plans have been updated periodically. In 1994 and again in 2009, the designated planning agencies agreed to update all or part of their plans. This current plan update replaces the State's Water Quality Management Plan for the non-designated area dated October 1997 and incorporates any planning activities that are currently being used for facilities planning.

The purpose of this plan is to facilitate a systematic, regional approach to protecting water quality by:

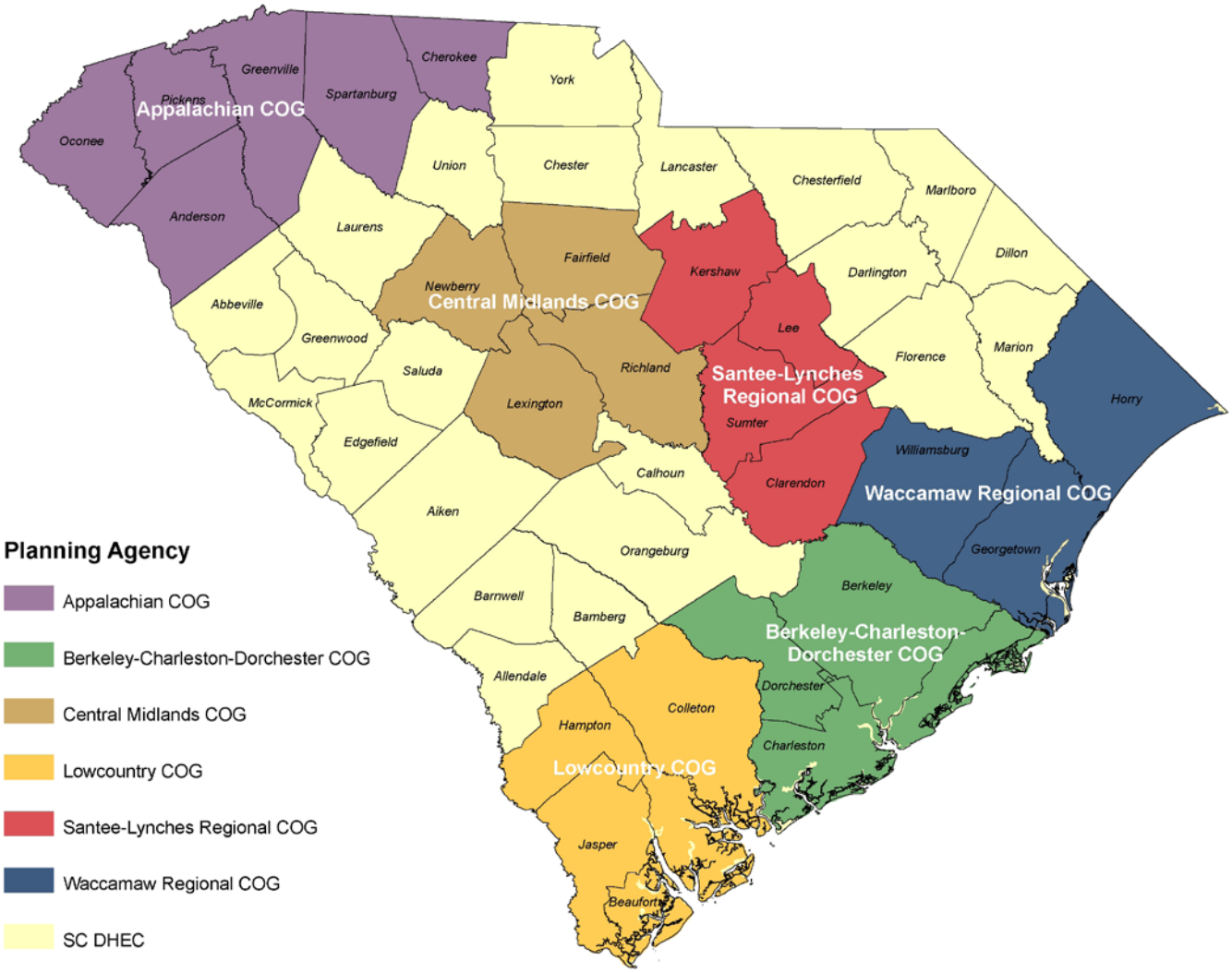
1. Identifying water quality management areas
2. Documenting current and future wastewater infrastructure needs

3. Outlining policies that guide the wastewater infrastructure permitting process
4. Providing administrative procedures to document plan modifications and allow for transparency and public involvement.

II. General Description of the Planning Area

DHEC is responsible for water quality management planning pursuant to Section 208 of the Clean Water Act for the 22 counties outside the jurisdiction of the six designated planning agencies. The 22 counties are depicted on the map on the following page.

South Carolina Designated Water Quality Planning Agencies



With the exception of the Aiken, Florence, Greenwood, Orangeburg and Rock Hill areas, rural or small communities with few centralized wastewater systems dominate the remaining non-designated portions of the State. As evidenced by the most recent designation of the Santee-Lynches Regional COG, DHEC supports wastewater planning by local planning agencies in areas where more complex wastewater planning issues arise that

need detailed attention by a local organization. Local wastewater planning is consistent with the State's antidegradation rules found in R.61-68, which require that DHEC provide for intergovernmental cooperation when considering justifications for the lowering of water quality.

III. Institutional Designations and Responsibilities

A. The Designated Water Quality Planning Agencies

Section 208 of the Clean Water Act requires the Governor of a State to designate both a boundary for water quality management planning areas and an agency to perform the planning work for such areas. This agency must be a single representative organization, which includes elected officials from local governments or their designees, and be capable of developing effective area-wide wastewater treatment management plans. Councils of Governments are considered to meet the definition. Therefore, six COGs are designated as water quality planning agencies for South Carolina.

Table 1: Planning Agencies and Their Respective Services Areas

Planning Agency	Counties Served
Appalachian COG	Anderson, Greenville, Oconee, Pickens, Spartanburg
Berkeley-Charleston-Dorchester COG	Berkeley, Charleston, Dorchester
Central Midlands COG	Fairfield, Lexington, Newberry, Richland
Lowcountry COG	Beaufort, Colleton, Hampton, Jasper
Santee- Lynches Regional COG	Clarendon, Kershaw, Lee, Sumter
Waccamaw Regional COG	Georgetown, Horry, Williamsburg
South Carolina Department of Health and Environmental Control	Abbeville, Aiken, Allendale, Bamberg, Barnwell, Calhoun, Chester, Chesterfield, Darlington, Dillon, Edgefield, Florence, Greenwood, Lancaster, Laurens Marion, Marlboro, McCormick, Orangeburg, Saluda, Union, York

Since the six designated planning areas do not include all of the State's 46 counties, DHEC serves as the planning agency for the remaining 22 counties. As the State water quality management planning agency, DHEC is also responsible for certifying, approving and submitting to EPA any Water Quality Management Plans and updates prepared by other designated regional planning agencies (40 CFR 130.10(b)(4)).

B. The Designated Management Agencies

The provisions of water quality management plans, after approval by EPA, are carried out by designated management agencies. These agencies are responsible for constructing, operating and maintaining publicly owned wastewater treatment facilities and have the legal authorities necessary to implement the plans. Only designated management agencies are eligible loans from the State Revolving Fund (SRF) program for construction or repair of wastewater systems.

Management agencies or combinations of agencies must have certain authorities and operational capabilities and be willing to accept the responsibilities associated with designation. A principle

part of this Water Quality Management Plan is the identification of each management agency and its respective management boundary.

According to the Clean Water Act, each designated management agency must have adequate legal authority to:

A. Carry out appropriate portions of an area-wide waste treatment management plan
B. Effectively manage waste treatment works and related facilities serving such an area
C. Directly or by contract, design and construct new works, and operate and maintain new and existing works as required by the plan
D. Accept and utilize grants, or other funds from any source, for waste treatment purposes
E. Raise revenues, including the assessment of waste treatment charges
F. Incur short and long-term indebtedness
G. Assure in the implementation of an area-wide waste treatment management plan that each participating community pays its proportionate share of waste treatment
H. Refuse to receive any wastes from any municipality or subdivision which does not comply with any provision of an approved plan
I. Accept industrial waste for treatment.

Each designated management agency agrees to accept certain responsibilities, usually by signing a Willingness and Implementation Statement. Except as noted in the individual Willingness and Implementation Statement, the agencies listed in section VII are responsible for:

A. Establishment or continued implementation of a regulatory program to control:
    1. Location of public and private domestic waste treatment facilities (this is to be accomplished before award of an SRF loan)
    2. Appropriate waste treatment policies and procedures to include:
    a) A schedule of fair user charges
    b) Pretreatment standards for industrial wastes (if needed) and regulatory controls to accept or refuse municipal and/or industrial waste
    c) Such other policies and procedures as may be appropriate
    3. Implementation of the state and EPA approved area wide facilities waste treatment plan and updating the facilities plan periodically as necessary and appropriate
B. Development or continued implementation of an effective series of administrative management procedures and a personnel system appropriate to staff the agency for the discharge of its duties and responsibilities

The EPA approved a determination by the S.C. Attorney General that all incorporated municipalities, counties and special purpose districts in South Carolina are legally capable of performing the duties of a designated management agency. If the entity agrees to execute

responsibilities as described above, it may be designated as a management agency. The designation must first be certified by DHEC and submitted to the EPA by the Governor of South Carolina for approval.

If a designated management agency desires to provide wastewater service within another management agency's jurisdiction, both must agree to the modified boundary. Modifications can be made when all affected parties are in agreement and sufficient documentation of the agreement can be provided. Modifications to management agency designations must be submitted to DHEC for review. Once approved, DHEC will amend the plan in accordance with the procedures outlined in section IV of this plan.

IV. Wastewater Management Policies

A. Location, Sizing, Phasing, and Level of Treatment

The location and sizing of wastewater treatment plants and their accompanying collection lines are typically initiated by the designated management agencies. The management agency provides to the planning process its own decisions concerning the need to expand, consolidate, and otherwise direct its own program.

The need for phasing is determined by the management agencies and may be dependent on their local needs and ability to finance wastewater facilities. Phasing may necessary when additional quality of treatment is required by DHEC and the provider needs time for engineering, financing, or technology development. Phasing may also be a result of postponing construction until the anticipated need for wastewater facilities actually exists.

The minimum level of treatment is a determination of DHEC. At the request of a permittee, DHEC will evaluate the location, size, and other technical information and make a decision concerning the quality of treated wastewater needed to maintain water quality standards. The results of the technical evaluation may be part of a Total Maximum Daily Load (TMDL) and ultimately included in any discharge permit issued by DHEC.

B. Elimination of Discharges and Consolidation of Facilities

DHEC encourages, when possible and feasible, the consolidation of wastewater treatment facilities into regional treatment plants. Regional treatment plants are typically more efficient and consistently provide better wastewater treatment. Consistent with South Carolina antidegradation rules, new treatment facilities will generally not be approved if the service area can be served by an existing treatment facility.

The Plan may require that existing treatment plants be eliminated if continued operation threatens water quality or the systematic planned growth of a regional sewer system. Permits may be issued with conditions that require the facility to be eliminated. Any temporary facilities that would need to be eliminated in the future are noted in section VI of the Plan. Factors such as location of the treatment facility, water quality benefits, and economics will guide the decision to approve or deny a request for a new wastewater facility or to recommend the elimination of an existing facility. These factors may also be evaluated during antidegradation review.

C. Onsite Wastewater Systems

By regulation, the DHEC Bureau of Environmental Health will not issue permits for new individual sewage treatment and disposal systems where public sewer is accessible for connection as determined by them. In addition, sub-surface disposal systems serving more than one piece of deeded property (community systems) should not be permitted where existing centralized collection systems are accessible as determined by the Bureau of Environmental Health. Consistent with R. 61-56 for Onsite Wastewater Systems, a wastewater treatment facility is considered to be accessible for connection when it adjoins the property in question, the sewer authority has granted permission for the connection and annexation or easements to cross adjacent property are not required for connection.

Unless specifically granted an exception, in areas where centralized sewer is not currently accessible, DHEC requires public ownership of onsite wastewater systems serving more than one piece of deeded property. Consistent with R. 61-9.505.8, proposals for such community systems permitted under R. 61-56 must be reviewed for consistency with this Plan.

V. Administrative Procedures

A. Conformance Reviews

The 208 Water Quality Management Plan incorporates planning agency approved facilities plans or engineering reports. Therefore, actions specified in those plans are also specifications of 208 Plans. While facilities plans and engineering reports are incorporated in the 208 Water Quality Management Plan, boundaries in Section 201 Wastewater Facilities Plans may not coincide with management agency service area boundaries.

Determination of conformance of wastewater projects with 208 Plans is necessary because DHEC will not issue a construction or discharge permit or make an EPA grant or State Revolving Fund loan for wastewater facilities if it conflicts with the applicable 208 Plan. Section 208(e) of the CWA states “no permit under section 402 of this Act shall be issued for any point source which is in conflict with a plan approved pursuant to subsection (b) of this section”. Furthermore, section 208(d) states “... the administrator shall not make any grant for construction of a publicly owned treatment works under section 201(g)(1) within such area except to such designated agency and for works in conformity with such plan”. In addition, state regulations R61-9, “Water Pollution Control Permits,” and R61-67, “Standards for Wastewater Facility Construction,” require permits not to conflict with the Plan.

Projects Requiring Review

Proposed NPDES permits, land application permits, preliminary engineering reports and/or wastewater construction permit applications, are reviewed for conformance with this Plan. Certain exemptions apply to construction projects according to R 61-67.100.E.8.b. Preliminary Engineering Reports (PERs) and facilities plans for projects under the State Revolving Fund (SRF) loan program are also reviewed for conformance. Under R.61-67, all wastewater projects permitted by the Bureau of Water – public, private, domestic and industrial – come under the review process as well as subdivisions where community septic tank systems are used as a means

of wastewater disposal. Septic tank permits serving individual properties do not require Plan review.

Procedural Steps
Plan conformance reviews are determined during DHEC's report or permit review process. When the permitting program receives an application for the types of projects described above, typically a notification is sent to the appropriate department for a Plan conformance review. Based on information contained in the notification, a conclusion is made regarding conformance with this Plan. The appropriate staff indicates whether or not the project is in conformance (not in conflict) with the Plan and signs and dates the notification. The signed notification is then returned to the permitting program.

If a proposed project conflicts with this Plan, the project will not be in conformance. For example, if a developer applies for a permit to construct and operate a wastewater treatment facility to serve a new subdivision and the proposed subdivision lies within the management area of a publicly owned treatment provider that intends to service the area in question in the immediate or foreseeable future, then the privately owned facility would be in conflict with the Plan. In some circumstances, a new plant could be a temporary facility that will need to connect to a regional system at a later date. Any temporary facilities are noted in section VI. A. of this Plan.

If the project is in conformance with the Plan, the permit application process may proceed. If it is not, the permit cannot be issued and DHEC will notify the applicant of the conformance determination and provide justification for the decision. The applicant may either revise the project to conform to the Plan or seek to have the Plan amended. Amending the Plan is a form of modification, as described below.

B. Plan Updates and Amendments

Usually the 208 Plan is modified for one of two reasons. One is to comprehensively update the Plan, or a portion of it, to reflect changing conditions or needs. Updates usually cover the entire planning area. The other reason is to enact an amendment that is focused on a particular project. An amendment is usually narrower in scope and based on changing conditions in a smaller area rather than conditions or policies that affect the entire planning region.

Update Requirements
A Plan update has no specific information requirements, although 40 CFR Part 130.6 discusses several priority elements including implementation measures, municipal and industrial waste treatment needs, management agencies, total maximum daily loads, effluent limitations, basin plans, and nonpoint source management and control. For administrative purposes, plan updates are considered major amendments and therefore require public input and EPA approval as described below.

Amendment Requirements
A Plan amendment request regarding a specific project should address certain specified components to standardize the review process by DHEC including:

- A description of the project and service area
- A rationale
- A cost effectiveness analysis
- An assessment of water quality impacts

Selected alternatives should be the most cost-effective, including consideration of non-monetary factors, and implementable among the alternatives. Therefore, an amendment request should justify a change from the previously selected alternative by showing it to be more cost-effective and that it can be implemented. Cost-effectiveness (e.g., a present worth analysis combined with other factors) should be evaluated on a long-term basis. If the scope of the project is to serve a new area not previously addressed, cost-effectiveness must be addressed as well.

Types of Amendments

1. **Major amendments** are required for the following types of activities:
   a. Proposals affecting the service areas of two or more designated management agencies, which do not include appropriate prior agreements reflected in the Plan between those management agencies.
   b. A new wastewater treatment facility, not including facilities permitted under R.61-56.
   c. An existing wastewater treatment facility that proposes to increase discharge volume by 50% or greater or by 10 million gallons per day or greater.
   d. Proposed projects that conflict with the following goals of this 208 Water Quality Management Plan:
      i. To consolidate wastewater treatment facilities into larger regional systems owned and operated by designated 208 management agencies.
      ii. To centralize sewer systems within management agency service areas preferably owned by public entities (as opposed to individual on site treatment systems or privately-owned treatment plants built to serve small individual developments) wherever feasible to provide an acceptable method of wastewater treatment and effluent disposal for projected residential, commercial, or industrial growth.
   e. Proposals that DHEC considers controversial or otherwise needing special attention to include public participation.

2. **Minor amendments** are required for the following types of activities that are not considered major:
   a. An existing wastewater treatment facility that proposes to increase discharge volume by less than 50% and less than 10 million gallons per day.
   b. Conversion of existing wastewater treatment facilities to other basins such as equalization or storage basins.
   c. Any other proposals DHEC considers minor with regard to water quality effects or stakeholder interest.

Procedural Steps

The Plan may be amended to generally update the information contained in the Plan or to allow for a deviation based on a request to amend. In some instances, concurrence may be denied because the requested action (e.g. new discharge permit, new construction permit, discharge permit renewal) is not in conformance with the current Plan. In such cases the designated

management agency or DHEC may seek an amendment to the Plan to accommodate the change. Requests for amendment should be submitted in writing to DHEC and must provide justification.

When the amendment request is for a **major amendment** as defined above, the decision-making process must allow for public input. The public notification process used by DHEC in its wastewater permitting programs may be used to notify interested parties of changes and allow for comment during the permit public notice period.

If judged necessary, a public meeting on the amendment request may be conducted prior to final permit issuance and may coincide with any DHEC public hearing for a permit. The public will be notified at least thirty days prior to such a meeting. Oral and written comments will be accepted at the meeting and the record may remain open afterwards for written comments. Subsequent to the comment period, staff will prepare a responsiveness summary that addresses any comments and concerns, if needed.

For **minor amendments**, DHEC staff will review the request and make any necessary changes to the plan.

Based on the technical review of the amendment request and public comments on major amendments, DHEC will make a final decision regarding the amendment. If DHEC decides not to amend the Plan, the requestor will be notified in writing and a justification provided. Both comprehensive updates and major amendments are also sent to EPA for approval. All amendments, major and minor, will be kept on file and listed in Appendix A. Appendix A will be available on the DHEC website and updated periodically.

VI. Wastewater Discharger Issues

A. Treatment Facilities and Capacities

Below is a list of the domestic and industrial NPDES discharge permit holders located in the non-designated planning area of South Carolina. Design capacities are listed for domestic wastewater dischargers only.

Table 2: NPDES Permitted Discharges in the Non-Designated Area of South Carolina

County	NPDES Permit Number	Permittee	Receiving Water	Design Capacity (GPD)	Temporary
Abbeville	SC0040614	Abbeville Long Cane Creek WWTP	Long Cane Creek	1,700,000	No
Abbeville	SC0000299	Mohawk Industries Inc Rocky River Plant	Richard B. Russell Lake	N/A	No
Abbeville	SC0023477	Sage Automotive Interiors	Hillburn Creek	N/A	No
Abbeville	SC0000353	Sage Automotive Interiors Abbeville Plant	Blue Hill Creek	N/A	No
Abbeville	SC0048704	Sage Automotive Interiors Abbeville Plant	Long Cane Creek	N/A	No
Abbeville	SC0025721	Town of Calhoun Falls	Sawney Creek to Little River	1,500,000	No
Abbeville	SC0022403	Town of Due West	Park Creek-Little River	300,000	No
Aiken	SC0024457	Aiken County Public Service Authority Horse Creek	Savannah River	20,000,000	No
Aiken	ND0067113	Beech Island Water District	N/A	13,200	No
Aiken	SC0039730	Cytec Industries Inc	Horse Creek	N/A	No
Aiken	SC0032638	GTX Properties LLC	Horse Creek	17,300	No
Aiken	SC0024341	J M Huber Corporation	South Fork Edisto River	N/A	No
Aiken	SC0040096	Kentucky Tennessee Clay Co.	Sand River to Horse Creek	N/A	No
Aiken	SC0046388	Kentucky Tennessee Clay Co.	Beaverdam Branch to South Fork Edisto River	N/A	No
Aiken	SC0000582	Kimberly Clark Corporation	Savannah River	N/A	No
Aiken	ND0077615	Savannah River Research Campus	N/A	25,000	No
Aiken	SC0000574	SCE&G	Savannah River	N/A	No
Aiken	ND0065871	Shree of Aiken/ Motel	N/A	17,000	No
Aiken	ND0014010	Silver Bluff High	N/A	16,900	No
Aiken	SC0027529	South Carolina Minerals Inc	Horse Creek to Savannah River	N/A	No
Aiken	ND0068454	Town of New Ellenton	N/A	1,000,000	No
Aiken	SC0026204	Town of Wagener	Dean Creek to South Edisto River	130,000	No
Aiken	ND0072125	US Department of Energy Savannah River Site	N/A	2,500	No
Aiken	SC0000175	US Department of Energy Savannah River Site	Tim's Branch-Beaver Dam Creek-Fourmile Branch-Crouch Branch-McQueen Branch-Indian Grave Branch-MCQueen's Branch-Upper Three Runs Creek	7,000	No
Allendale	SC0039918	Allendale WWTF	Savannah River	4,000,000	No
Allendale	SC0042803	Clariant Corporation	Savannah River	N/A	No
Bamberg	ND0063398	City of Bamberg	N/A	1,055,000	No
Bamberg	SC0040215	City of Denmark	Little Salkehatchie River	1,000,000	No
Bamberg	ND0083135	Ehrhardt WWTF	N/A	60,000	No
Barnwell	ND0080985	Bamberg Board of Public Works	N/A	250,000	No
Barnwell	SC0047872	City of Barnwell WWTF	Salkehatchie River	3,000,000	No
Barnwell	ND0067024	Laurel Baye Healthcare	N/A	5,400	No
Barnwell	SC0003093	Milliken & Company	Salkehatchie River	N/A	No
Barnwell	SC0026417	Town of Blackville	Windy Hill Creek to South Fork Edisto River	800,000	No
Barnwell	ND0063061	Town of Williston	N/A	1,257,000	No
Barnwell	SC0047431	US Department of Energy Savannah River Site	Beaverdam Creek and Savannah River	None	No

County	NPDES Permit Number	Permittee	Receiving Water	Design Capacity (GPD)	Temporary
Calhoun	SC0033367	Devro INC	Congaree River	N/A	No
Calhoun	SC0001333	Eastman Chemical Company SC Operations	Congaree River	N/A	No
Calhoun	SC0040339	SC Department of Transportation Calhoun County	Savany Hunt Creek	60,000	No
Calhoun	SC0028801	Town of St. Matthews	Antley Springs Creek to Lake Marion	550,000	No
Chester	SC0047538	Carolawn Steering Committee	Fishing Creek	None	No
Chester	SC0022756	Chemtrade Performance Chemicals US LLC	Broad River	N/A	No
Chester	SC0036081	Chester Metro Sandy River	Sandy River	2,133,000	No
Chester	SC0001741	Chester Sewer District	Fishing Creek to Catawba River	800,000	No
Chester	SC0036056	Chester Sewer District	Rocky Creek to Catawba River	1,360,000	No
Chester	ND0080535	Hilltop Mobile Home Park	N/A	8,400	No
Chester	SC0042129	Kentucky Cumberland Coal Co.	Catawba River	N/A	No
Chester	SC0021211	Town of Great Falls	Catawba River	1,400,000	No
Chesterfield	SC0048445	Buckhorn Materials LLC	Cedar Falls Branch-Lynches River	None	No
Chesterfield	SC0020249	Cheraw Water Plant	Pee Dee River	4,000,000	No
Chesterfield	SC0021504	Pageland Northwest WWTF	Hills Creek to Lynches River	300,000	No
Chesterfield	SC0021539	Pageland Southeast WWTF	Cattail Branch to Big Black Creek	600,000	No
Chesterfield	SC0024767	Town of Jefferson Water Plant	Brazell Branch to Little Fork to Lynches River	150,000	No
Darlington	SC0039624	City of Darlington Black Creek WWTF	Black Creek	1,600,000	No
Darlington	SC0004162	Darlington Development LLC	Black Creek	N/A	No
Darlington	ND0067962	DCW&SA/Swift Creek Plant	N/A	150,000	No
Darlington	SC0043231	DCW&SA/Swift Creek WWTF	Swift Creek	114,000	No
Darlington	SC0002704	Galey & Lord Industries LLC	Great Pee Dee River	N/A	No
Darlington	SC0021580	Hartsville WWTF	Black Creek	3,500,000	No
Darlington	SC0043702	Lamar WWTF	Lynches River	650,000	No
Darlington	SC0048283	Nucor Corporation	Lucas Creek	N/A	No
Darlington	ND0067997	Odoms Mobile Home Park	N/A	8,000	No
Darlington	SC0002925	Progress Energy Carolinas Inc.	Lake Robinson- Black Creek	N/A	No
Darlington	SC0003042	Sonoco Products	Black Creek	N/A	No
Darlington	ND0067636	Swinks MHP	N/A	8,000	No
Dillon	SC0021776	Dillon Little Pee Dee	Little Pee Dee River	5,000,000	No
Dillon	SC0022284	Lake View WWTF	Bear Swamp to Ashpole Swamp to Lumber River	200,000	No
Dillon	SC0031801	South of the Border	Contrary Swamp to Hayes Creek to Little Pee Dee River	180,000	No
Dillon	ND0083097	Town of Lake View	N/A	200,000	No
Dillon	SC0025402	Town of Latta	Buck Swamp	1,000,000	No
Edgefield	SC0025682	Edgefield County Water & Sewer Authority	Paces Branch to Shaw Creek	75,000	No
Edgefield	SC0025691	Edgefield County Water & Sewer Authority	South Fork Edisto River	968,000	No
Edgefield	ND0077992	Edgefield County Water & Sewer Authority	N/A	None	No
Edgefield	SC0025330	Edgefield County Water & Sewer Authority WWTP Lab	Beaverdam Creek	725,000	No

County	NPDES Permit Number	Permittee	Receiving Water	Design Capacity (GPD)	Temporary
Edgefield	SC0047813	Federal Pacific Electric	Beaverdam Creek to Turkey Creek	None	No
Florence	ND0063801	Beulah LLC	N/A	7,200	No
Florence	SC0045462	City of Florence	Pee Dee River	15,000,000	No
Florence	SC0046311	City of Lake City	Lynches River	5,200,000	No
Florence	SC0034703	Commander Nursing Center	Little Willow Creek to Jeffries Creek	25,000	No
Florence	SC0048399	Dilmar Oil Company	Beaverdam Creek	7,000	No
Florence	SC0002917	Dupont Teijin Films	Great Pee Dee River	N/A	No
Florence	SC0025933	Johnsonville East WWTP	Lynches River	3,000,000	No
Florence	SC0003018	Koppers Inc.	Pye Branch to Heffrues Creek to Pee Dee River-2 Mile Creek to Polk Swamp	N/A	No
Florence	SC0039284	McCall Farms Inc.	Lynches River	N/A	No
Florence	SC0000876	Smurfit Stone Container Enterprises Inc.	Great Pee Dee River	N/A	No
Florence	SC0021351	Town of Pamplico	Great Pee Dee River	300,000	No
Florence	SC0025356	Town of Timmonsville	Sparrow Swamp to Lynches River	2,000,000	No
Greenwood	SC0048356	Clendenin Lumber Company	Turkey Creek	N/A	No
Greenwood	SC0021709	Greenwood Metropolitan District	Wilson Creek	12,000,000	No
Greenwood	SC0022870	Greenwood West Alexander WWTF	Hard Labor Creek	2,200,000	No
Greenwood	SC0036048	Ninety Six WWTF	Ninety Six Creek	500,000	No
Greenwood	SC0042706	Town of Ninety Six CPW	Wilson Creek	60,000	No
Greenwood	SC0034444	United Utilities Companies Inc.	Henley Creek to Ropers Creek to Ninety Six Creek	75,000	No
Greenwood	SC0020214	Ware Shoals Dairy Street	Saluda River	8,000,000	No
Lancaster	SC0040479	Haile Gold Mine Inc.	Haile Gold Mine Creek	N/A	No
Lancaster	ND0085561	Haile Gold Mine Inc.	Pee Dee River	None	No
Lancaster	SC0040118	Heath Springs WWTF	Beckham Branch to Lynches Creek	150,000	No
Lancaster	SC0046892	Lancaster Catawba River	Catawba River	7,500,000	No
Lancaster	ND0080896	Lancaster Catawba River WWTP	N/A	None	No
Lancaster	SC0027391	Lancaster County	Catawba River	N/A	No
Lancaster	SC0047864	Lancaster County Indianland WWTP	Catawba River	2,000,000	No
Lancaster	SC0030210	Lancaster County School District	Wildcat Creek to Lynches Creek	35,000	No
Lancaster	SC0041807	Saratoga Properties LLC	Causar Branch	8,000	No
Lancaster	SC0003255	Springs Global US Inc.	Catawba River	N/A	No
Lancaster	SC0025798	Town of Kershaw Hanging Rock Creek	Hanging Rock Creek	800,000	No
Laurens	ND0080802	Campbell Septic Tank Co.	N/A	None	No
Laurens	SC0048534	Ingersoll Rand Company	North Creek to Little River	N/A	No
Laurens	ND0085898	Jacabb Utilities Inc.	N/A	11,500	No
Laurens	SC0020702	Laurens Commisstion of Public Works	Little River	4,500,000	No
Laurens	SC0037974	Laurens County Water & Sewer Commission	Bush River	2,750,000	No
Laurens	ND0080799	Macemore Inc.	N/A	27,500	No
Laurens	ND0086665	Palmetto Septic Tank & Sewer Service	N/A	N/A	No
Laurens	ND0078417	Powers Service Company	N/A	None	No

County	NPDES Permit Number	Permittee	Receiving Water	Design Capacity (GPD)	Temporary
Laurens	SC0040002	REWA Durbin Creek	Durbin Creek	5,200,000	No
Laurens	SC0032298	S&S Washerette	Mountain Creek to North Rabon Creek to Lake Greenwood	N/A	No
Laurens	SC0045811	WR Grace & Co Construction Products Division	Warrior Creek	12,000	No
Marion	SC0029408	City of Mullins	White Oak Creek to Little Pee Dee	2,750,000	No
Marion	ND0080721	Locust Tree Development	N/A	3,750	No
Marion	SC0046230	Marion WWTF	Pee Dee River	6,000,000	No
Marion	ND0080837	Mullins WWTP	N/A	500,000	No
Marion	SC0041327	Nichols WWTF	Lumber River	135,000	No
Marlboro	SC0025178	Bennettsville WWTF	Crooked Creek to Pee Dee River	3,900,000	No
Marlboro	SC0042188	Domtar Paper Company LLC	Great Pee Dee River	N/A	No
Marlboro	SC0041963	McColl WWTF	Gum Swamp	400,000	No
Marlboro	SC0001996	Mohawk Industries Inc.	Great Pee Dee River	N/A	No
Marlboro	SC0002151	Schwarz Wallace LLC	Great Pee Dee River	N/A	No
Marlboro	SC0040606	Town of Clio	Great Pee Dee River	300,000	No
McCormick	SC0030783	McCormick Commission of Public Works	Rocky Creek to Stevens Creek	3,350,000	No
McCormick	SC0000396	Milliken & Company	Savannah River	N/A	No
McCormick	SC0021466	SC DPRT/Hamilton Camp Area	Lake Thurmond	9,000	No
McCormick	SC0047317	US Army Corps of Engineers	Savannah River	None	No
Orangeburg	SC0043419	ACO Distribution & Warehouse Inc.	North Fork Edisto River	N/A	No
Orangeburg	SC0001180	Albemarle Corporation	Edisto River	N/A	No
Orangeburg	SC0029645	Carolina Water Service	N/A	67,600	No
Orangeburg	SC0024481	City of Orangeburg	North Fork Edisto River	9,000,000	No
Orangeburg	SC0032671	Connie Maxwell Childrens Home	Middle Pen Swamp to Four Hole Swamp	9,000	No
Orangeburg	ND0067628	Elloree Water System	N/A	349,000	No
Orangeburg	SC0002992	Holcim US Inc.	Home Branch to Four Hole Swamp	N/A	No
Orangeburg	ND0067130	I 95 Truck Stop	N/A	10,700	No
Orangeburg	SC0040185	Orangeburg School District 4	Whirlwind Creek	17,000	No
Orangeburg	SC0001147	Roseburg Forest Products South Limited Partnership	Four Hold Swamp to Edisto River	N/A	No
Orangeburg	ND0065676	Santee Public Service District	N/A	713,000	No
Orangeburg	ND0067920	SC DPRT Santee State Park	N/A	24,000	No
Orangeburg	SC0045772	SCE&G	South Fork Edisto River	N/A	No
Orangeburg	SC0040037	Town of Bowman	Cow Castle Creek to Four Hold Swamp	236,200	No
Orangeburg	SC0047333	Town of Branchville	Edisto River	150,000	No
Orangeburg	ND0063380	Town of Holly Hill	N/A	287,000	No
Orangeburg	SC0047821	Town of North Wastewater	North Fork Edisto River	200,000	No
Orangeburg	SC0045993	Town of Norway	Willow Swamp to South Fork Edisto River	110,000	No
Orangeburg	SC0023281	Town of Springfield	Goodland Creek to South Fork Edisto River	60,000	No
Orangeburg	SC0023272	Town of Springfield	South Fork Edisto River	120,000	No

County	NPDES Permit Number	Permittee	Receiving Water	Design Capacity (GPD)	Temporary
Orangeburg	ND0067610	Water Holidays Owners Association Inc.	N/A	4,000	No
Saluda	ND0083615	Amick Farms LLC	N/A	N/A	No
Saluda	SC0022381	Saluda Commission of Public Works	Little Saluda River	465,000	No
Saluda	ND0076945	Valley Proteins Inc.	N/A	220,000	No
Union	SC0001368	Carlisle Finishing LLC	Broad River	N/A	No
Union	SC0047236	City of Union Meng Creek WWTP	N/A	1,000,000	No
Union	SC0002186	SCE&G	Broad River	N/A	No
Union	SC0003051	Total Environmental Solutions	N/A	N/A	No
Union	SC0024988	Town of Jonesville	N/A	250,000	No
Union	SC0047244	Union Tosch Creek WWTP	Fairforest Creek	6,000,000	No
Union	SC0035041	United Utility Companies Inc.	Fairforest Creek	65,000	No
York	SC0001015	Abitibi Bowater Inc.	Catawba River	N/A	No
York	SC0041670	Adnah Hills Mobile Home Park	Tools Fork Creek	40,000	No
York	SC0027341	Bic Real Estate Holdings LLC	Tinkers Creek	12,000	No
York	SC0030112	Carolina Water Service Inc. of NC	McAlpine Creek to Sugar Creek to Catawba River	630,000	No
York	ND0080900	Charlotte Mecklenburg Utilities Department	N/A	N/A	No
York	ND0086011	City of Rock Hill	N/A	N/A	No
York	SC0004278	Duke Energy Corp Catawba Nuclear Station	Lake Wylie	N/A	No
York	SC0028622	Edgar Smith/Quail Medow LLC	Burgis Creek to Catawba River	25,000	No
York	ND0080748	G&W Inc.	N/A	None	No
York	SC0037605	Lake Wylie MHP	Mill Creek to Lake Wylie	90,000	No
York	ND0067105	Lazy Daze Campground	N/A	21,700	No
York	SC0043095	Mack Subdivision	Susybole Creek	20,000	No
York	SC0027111	McAfee Mobile Home Park	Hope Branch to Fishing Creek	18,000	No
York	SC0035360	Nation Ford Chemical Co.	Catawba River	N/A	No
York	SC0041904	Neely's Creek Homes Inc.	Neelys Creek	8,000	No
York	SC0002801	North Safety Products LLC	Allison Creek	N/A	No
York	SC0032417	Paulette K Ballard	Abernathy Creek to Catawba River	30,000	No
York	SC0028321	Pharr Yarns LLC	Beaverdam Creek to Crowder's Creek to Lake Wylie	N/A	No
York	SC0041203	Pinetuck Utilities	Clinton Branch to Fishing Creek	150,000	No
York	SC0046248	Plains LPG Services LP	Tributary to Fishing Creek	None	No
York	SC0020443	Rock Hill Manchester Creek	Catawba River	20,000,000	No
York	SC0026751	Tega Cay Water Service Inc.	Lake Wylie	290,000	No
York	SC0026743	Tega Cay Water Service Inc.	Lake Wylie	320,000	No
York	SC0020371	Town of Fort Mill	Catawba River	3,000,000	No
York	SC0025275	US Park Service/ Kings Mountain	Clarks Fork to Bullocks Creek to Broad River	9,500	No
York	SC0027189	Utilities Services of SC Inc.	Barber Branch to Catawba River	14,000	No
York	SC0038113	Utilities Services of SC Inc.	Tributary to Jackson Branch	20,000	No
York	SC0039217	Utilities Services of SC Inc.	Tools Fork Creek to Fishing Creek to Catawba River	20,000	No
York	SC0027146	Utilities Services of SC Inc.	Sugar Creek to Catawba River	120,000	No
York	SC0038156	York Fishing Creek WWTP	Fishing Creek	3,000,000	No

Table 3: Permitted Community Wastewater Systems in the Non-Designated Area of South Carolina

County	Project Name	Maximum Flow (GPD)
Greenwood	Terrapin Pointe Subdivision	8,540
Saluda	Bass Harbor	7,200
York	River Ridge	7,680
York	Town of Sharon Community System	750
Chesterfield	Wellington Greens	5,760
Aiken	Cedar Creek Community System	11,520
Orangeburg	Vances Ferry Condominiums	3,840

B. Total Daily Maximum Loads (TMDLs) and Wasteload Allocations (WLAs)

For impaired waterbodies, the Department is required to develop a total maximum daily load (TMDL) for the pollutant(s) causing the impairment. A TMDL is the maximum allowable load of a specific pollutant that can be assimilated by a waterbody without violating water quality criteria or preventing attainment of an existing or classified use. DHEC develops TMDLs for waterbodies on the 303(d) list of impaired waters, which is published every 2 years. In South Carolina, TMDLs are developed and proposed by SCDHEC, placed on public notice and then forwarded to EPA Region 4 for final approval. A current listing of TMDLs that have been approved as well as those that are under development can be found on the DHEC website: http://www.scdhec.gov/environment/water/tmdl/.

Once a TMDL is developed for a waterbody, the pollution reduction necessary to meet water quality criteria is divided among point sources (the wasteload allocation or WLA) and non-point sources (the load allocation or LA).

When a TMDL has been developed for a waterbody, permit limits for discharges to that waterbody will be based on the wasteload allocation portion of the TMDL. If a waterbody is impaired but a TMDL has not been finalized, permit limits will be developed such that there is no net increase in loading of the pollutants that caused the impairment.

In some discharge situations, a receiving stream's assimilative capacity must be allocated among dischargers. Typically, for the designated 208 Planning areas of the State, the responsible Council of Government divides the allowed loading according to its procedures. For the non-designated areas of the State, DHEC divides the allowed loading.

VII. Management Agency Issues

A. Designated Management Agencies and Service Areas

Following is a listing, by county, of the management agencies for the non-designated area of South Carolina. The water quality management area is the geographical area within which a management agency makes wastewater planning and management decisions. The management area is distinguished from a sewer service area, which is the geographical area where an agency actually provides wastewater collection and/or treatment.

Some management agencies may contract with another entity to provide sewer treatment services. The following list therefore indicates the primary wastewater treatment provider for each management agency. Note that treatment providers for individual properties or certain industrial customers are not listed below but are included in the respective intergovernmental agreement summary in the next section.

In addition to the text provided below, management agency maps can be found on the DHEC website at http://www.scdhec.gov/environment/water/208.htm. There you will be able to view the water quality management area, which includes any future sewer service areas, and the existing sewer service area for each management agency.

Management and service area information provided in this Plan, including the related maps, are for planning and reference purposes only and are in no way legally-binding.

Abbeville County.

Management Agency	Management Area	Treatment Provider
City of Abbeville	Municipality	City of Abbeville
Town of Calhoun Falls	Municipality	Town of Calhoun Falls
Town of Due West	Municipality	Town of Ware Shoals

Aiken County

Management Agency	Management Area	Treatment Provider
North Augusta	Municipality	Aiken County Public Service Authority
City of Aiken	Municipality and surrounding county areas	Aiken County Public Service Authority Montmorenci-Couchton Water and Sewer District
Town of Wagener	Municipality	Town of Wagener
Town of Salley	Municipality	N/A
Town of New Ellenton	Municipality	Town of New Ellenton
Aiken County Public Service Authority	Certain areas of Aiken and Edgefield Counties	Aiken County Public Service Authority

Allendale County

Management Agency	Management Area	Treatment Provider
Town of Allendale	Municipalities of Allendale and Fairfax	Town of Allendale
Fairfax	Municipality	Town of Allendale
*Allendale County	Unincorporated county areas	Town of Allendale

*Allendale County owns a sewer line connecting the County Jail to the Town of Fairfax's collection system.

Bamberg County

Management Agency	Management Area	Treatment Provider
City of Bamberg	Municipality	City of Bamberg
City of Denmark	Municipality	City of Denmark
Bamberg County	Unincorporated county areas	N/A
Town of Ehrhardt	Municipality	Town of Ehrhardt

Chester County

Management Agency	Management Area	Treatment Provider
Chester Sewer District	Municipality	Chester Sewer District
Town of Great Falls	Municipality	Town of Great Falls

***Chesterfield County**

Management Agency	Management Area	Treatment Provider
Town of Pageland	Municipality	Town of Pageland
Town of Jefferson	Municipality	Town of Jefferson
Town of Chesterfield	Municipality	Town of Cheraw
Town of Cheraw	Municipality	Town of Cheraw
Chesterfield County	Unincorporated county areas	N/A

*Alligator Rural Water and Sewer, a private entity, provides wastewater service to the area in and around the Town of McBee

Darlington County

Management Agency	Management Area	Treatment Provider
City of Darlington	Municipality	City of Darlington
City of Hartsville	Municipality	City of Hartsville
Town of Lamar	Municipality	Town of Lamar
Darlington County Water & Sewer Authority	Unincorporated county areas	Darlington County Water & Sewer Authority, City of Florence and City of Hartsville

Dillon County

Management Agency	Management Area	Treatment Provider
Town of Lake View	Municipality	Town of Lake View
Town of Latta	Municipality and surrounding county areas	Town of Latta
City of Dillon	Municipality	City of Dillon
Dillon County	Unincorporated county areas	N/A

Edgefield County

Management Agency	Management Area	Treatment Provider
Edgefield County Water and Sewer Authority	Municipalities of Johnston and Trenton and unincorporated county areas	Aiken County PSA and Edgefield County Water and Sewer Authority

Florence County

Management Agency	Management Area	Treatment Provider
Town of Olanta	Municipality	City of Lake City
City of Timmonsville	Municipality	City of Timmonsville
City of Johnsonville	Municipality and Wellman, Inc. property	City of Johnsonville
Florence County	Unincorporated county areas	N/A
City of Lake City	Municipality	City of Lake City
Town of Pamplico	Municipality	Town of Pamplico
Town of Springfield	Municipality	Town of Springfield
Town of Scranton	Municipality	City of Lake City
City of Florence	Municipality and surrounding county areas	City of Florence

Greenwood County

Management Agency	Management Area	Treatment Provider
Town of Ware Shoals	Towns of Ware Shoals, Honea Path, Donalds, Due West and unincorporated areas of Abbeville and Greenwood counties	Town of Ware Shoals
Town of Ninety Six	Municipality and surrounding county areas	Town of Ninety Six
Greenwood Metropolitan Commission	Municipality and surrounding county areas	Greenwood Metropolitan Commission

Lancaster County

Management Agency	Management Area	Treatment Provider
City of Lancaster	Municipality and surrounding county areas	City of Lancaster
Town of Heath Springs	Municipality	Town of Heath Springs
Town of Kershaw	Municipality	Town of Kershaw
Lancaster County Water & Sewer District	Unincorporated county areas	City of Charlotte, City of Lancaster, Heath Springs, Lancaster County Water & Sewer District

Laurens County

Management Agency	Management Area	Treatment Provider
Laurens Commission of Public Works	Municipality and surrounding county areas	Laurens Commission of Public Works
City of Clinton	Municipality and surrounding county areas	Laurens County Water and Sewer Commission
Laurens County Water and Sewer Commission	Unincorporated county areas	Laurens County Water and Sewer Commission

***Marion County**

Management Agency	Management Area	Treatment Provider
City of Mullins	Municipality and surrounding county areas	City of Mullins
Marion County	Unincorporated county areas	N/A
Grand Strand Water and Sewer Authority	City of Marion and Town of Nichols	Grand Strand Water and Sewer Authority

*Marco Rural Water, a private entity, provides wastewater service to unincorporated Marion County. Grand Strand Water and Sewer Authority is also a management agency under the Waccamaw 208 Areawide Water Quality Management Plan.

Marlboro County

Management Agency	Management Area	Treatment Provider
Town of Bennettsville	Municipality	Town of Bennettsville
Town of Clio	Municipality and surrounding county areas	Town of Clio
Town of McColl	Municipality	Town of McColl

McCormick County

Management Agency	Management Area	Treatment Provider
Town of McCormick	Municipality and surrounding county areas	Town of McCormick
McCormick County	Unincorporated county areas	McCormick County

Orangeburg County

Management Agency	Management Area	Treatment Provider
City of Orangeburg	Municipality and surrounding county areas	City of Orangeburg
Town of Branchville	Municipality	Town of Branchville
Town of Elloree	Municipality	Town of Elloree
Town of North	Municipality and surrounding county areas	Town of North
Town of Holly Hill	Municipality	Town of Holly Hill
Town of Springfield	Municipality	Town of Springfield
Santee Public Service District	Municipality	Santee Public Service District
Town of Bowman	Municipality	Town of Bowman
Orangeburg County	Unincorporated county	City of Orangeburg
Town of Norway	Municipality and surrounding county areas	Town of Norway

Saluda County

Management Agency	Management Area	Treatment Provider
Saluda Commission of Pubic Works	Municipality	Saluda Commission of Pubic Works, Aiken County PSA
Saluda County Water and Sewer Authority	Unincorporated county	Aiken County Public Service Authority

Union County

Management Agency	Management Area	Treatment Provider
City of Union	Municipality and surrounding county areas	City of Union
Town of Jonesville	Municipality and surrounding county areas	Town of Jonesville
Town of Carlisle	Municipality	Carlisle Finishing Plant

York County

Management Agency	Management Area	Treatment Provider
Town of Clover	Municipality and surrounding county areas	City of Gastonia, NC
Town of Fort Mill	Municipality and surrounding county areas	Town of Fort Mill
City of Rock Hill	Municipality and surrounding county areas	City of Rock Hill
City of York	Municipality and surrounding county areas	City of York
York County	Certain unincorporated county areas	City of Rock Hill

B. Future Wastewater Plans

Several management agencies have plans to expand their wastewater service areas in the next 10 to 15 years. The list below includes a brief description of these anticipated changes for each applicable management agency.

Town of Bowman

The town anticipates expansion of its wastewater treatment facility and collection system to serve areas along Homestead and Vance roads to I-26.

Town of Latta

The town anticipates expanding its wastewater service area into to unincorporated portions of Dillon County extending west and south to the Marlboro, Florence and Marion county lines. The future service area also includes service along Highway 917 to Highway 41.

Town of Elloree

The town plans to provide future service to areas east of the town to Lake Marion, including Santee State Park, and south of the town, almost to the junction of Interstates I-26 and I-95.

Town of Johnsonville

The town anticipates expanding its wastewater service area into to unincorporated portions of Florence County extending south and east to the Williamsburg and Marion county lines.

Town of Mullins

The town plans to expand its sewer service area by approximately 4 miles in all directions to include unincorporated portions of Marion County from the Little Pee Dee River to highway 501.

C. Intergovernmental Agreements

The following list includes a brief description of any intergovernmental agreements between designated management agencies that coordinate the handling of wastewater on a regional basis. Thirty-six management agencies have joint agreements with one or more other management agencies. Management agencies that did not provide agreement information include the Town of Calhoun Falls, Town of Allendale, City of Bamberg, Town of Timmonsville, Town of McColl, Town of Santee and the Chester Sewer District.

Aiken County Public Service Authority (Aiken Co.)

Agreements with the cities of Aiken and North Augusta, Saluda County, the Edgefield County Water and Sewer Authority and the Valley Public Service Authority.

Under its Edgefield County agreement, the PSA treats wastewater generated from an existing state prison and will treat wastewater from a proposed new federal prison when it is built. Under another agreement, Aiken County agrees to provide pre-treatment services for industrial customers within the Edgefield County service area.
Under its Saluda County agreement, the PSA treats wastewater from various poultry processing operations. Under its Aiken and North Augusta agreements, the PSA treats each community's wastewater.

Under the Valley Public Service Authority agreement, Aiken County authorizes Valley PSA to provide retail sewer service to certain unincorporated communities within the Aiken County PSA service area.

City of Aiken (Aiken Co.)

Agreements with Aiken County, Montmorenci-Couchton Water and Sewer District, the City of New Ellenton and Valley Public Service Authority (VPSA). For an explanation of Aiken County the agreement, see "Aiken County Public Service Authority."

The Montmorenci-Couchton agreement defines the respective service areas of Monmorenci and the city and allows each to continue to provide water and wastewater services to certain customers within the other's service area.

The New Ellenton agreement establishes the respective water and wastewater service areas of the town and the City of Aiken.

Under the VPSA agreement, the city gives VPSA the right to and use of sewer capacity in its University Line, up to 10,000 gallons per day.

Town of Allendale (Allendale Co.)

Agreement with the Town of Fairfax. Under the agreement, wastewater generated by Fairfax is treated.

Town of Cheraw (Chesterfield Co.)

Agreement with the City of Chesterfield. For an explanation of the agreement, see "City of Chesterfield."

City of Chesterfield (Chesterfield Co.)

Agreement with the town of Cheraw under which Cheraw provides wastewater treatment services to Chesterfield until 2026.

City of Clinton (Laurens Co.)

Agreement with Laurens County. For an explanation of the agreement, see "Laurens County Water Resources Commission."

Town of Clover (York Co.)

Agreement with the City of Gastonia (NC) under which Gastonia provides wastewater treatment services for the town.

City of Darlington (Darlington Co.)

Agreement with the Darlington County Water and Sewer Authority. For an explanation of the agreement, see "Darlington County Water and Sewer Authority."

Darlington County Water and Sewer Authority

Agreement with the cities of Hartsville, Florence, Lamar, Timmonsville and Darlington. Under the Hartsville agreement, the Water and Sewer Authority grants the City the franchise to serve industrial park customers within the Authority's service area.

Under the City of Florence agreement, Florence agrees to accept a wastewater flow of up to an average of 200,000 gallons per day.

Under the Lamar agreement, the Water and Sewer Authority allows the City to continue to serve Perfection Hy-Test at their new location outside the Lamar city limits within the Authority's service area.

Under the Timmons agreement, the Water and Sewer Authority grants the City the franchise to serve industrial park customers within the Authority's service area.

Under the City of Darlington agreement, the City provides sewer services to Nucor Steel within the Authority's service area.

Donalds-Due West Water and Sewer Authority (Abbeville Co.)

Agreement with the towns of Honea Path and Ware Shoals. For an explanation of the agreement, see "Town of Ware Shoals."

Edgefield County Water and Sewer Authority (Edgefield Co.)

Agreements with North Augusta and the counties of Aiken and Saluda. For an explanation of the Aiken agreement, see "Aiken County Public Service Authority".

Under the Saluda agreement, wastewater from poultry processing plants flow through Edgefield's system to the Aiken PSA's Horse Creek plant.

Under its agreement with North Augusta, the county has the right to use the municipality's sewer facilities and 1.25 mgd of sewer line capacity to transport wastewater to Aiken PSA's Horse Creek Plant.

Town of Fairfax (Allendale Co.)

Agreement with the Town of Allendale. For an explanation of the agreement, see "Town of Allendale."

City of Florence (Florence Co.)

Agreement with the Darlington County Water and Sewer Authority. For an explanation of the agreement, see "Darlington County Water and Sewer Authority."

Town of Fort Lawn (Lancaster Co.)

Agreement with the Lancaster County Water and Sewer District. For an explanation of the agreement, see "Lancaster County Water and Sewer District."

Grand Strand Water and Sewer Authority (Horry Co.)

Agreement with the town of Latta. Under the agreement, Latta agrees to treat wastewater from the Authority's wastewater system serving the town of Sellers.

Greenwood County Metropolitan District (Greenwood Co.)

Agreement with the Town of Ware Shoals. For an explanation of the agreement, see "Town of Ware Shoals."

City of Hartsville (Darlington Co.)

Agreements with the Darlington County Water and Sewer Authority and Alligator Rural Water and Sewer Company.

Under the agreement the Water and Sewer Authority grants the City the franchise to

Under a 1997 agreement with Alligator Rural Water and Sewer Company, the City agrees to accept the company's wastewater.

Town of Heath Springs (Lancaster Co.)

Agreement with the Lancaster County Water and Sewer District. For an explanation of the agreement, see "Lancaster County Water and Sewer District."

Town of Honea Path (Abbeville Co.)

Agreement with the Town of Ware Shoals, the Donalds-Due West Water and Sewer Authority. For an explanation of the agreement, see "Town of Ware Shoals."

Town of Jefferson (Chesterfield Co.)

Agreement with Chesterfield County Rural Water Company. Under the agreement, the Town agrees to provide sewer service for New Heights Middle School off of highway 151.

City of Lake City (Florence Co.)

Agreements with the towns of Scanton and Olanta. Under the Scranton and Olanta agreements, wastewater generated by those systems is treated by Lake City. The Scranton collector system is owned by Lake City. The Olanta collector system is locally owned.

Town of Lamar (Darlington Co.)

Agreement with the Darlington County Water and Sewer Authority. For an explanation of the agreement, see "Darlington County Water and Sewer Authority."

Lancaster County Water and Sewer District (Lancaster Co.)

Agreements with the City of Lancaster, Carolina Water Service (North Carolina), the City of Charlotte, the Town of Fort Lawn, the Town of Heath Springs, Union County (North Carolina) and York County. Under the City of Lancaster agreement, the City treats the County's wastewater.
Under the CWS agreement, CWS treats a portion of the District's wastewater, not to exceed 10,000 gallons per day unless otherwise agreed upon by both parties. The agreement has been modified to accommodate flow from Arbor Place and Aumond Glen subdivisions.

Under the Charlotte agreement, Charlotte will treat up to 130,000 gallons per day of wastewater from the District.

Under the Fort Lawn agreement, the District agrees to transport the Town's wastewater to the City of Lancaster where it will be treated per the agreement between the City and the District (see above).

Under the Heath Springs agreement, the town provides wastewater transportation and sewer services for up to 10,000 gallons per day with the option to increase capacity in 1,000 gallon increments.

Under the Union County agreement, the District treats wastewater from the Firethorn Development in Union County, up to 25,000 gallons per day.
For an explanation of the York County agreement, see "York County."

Laurens County Water and Sewer Commission (Laurens Co.)

Agreement with the City of Clinton. Under the agreement, the City owns and operates wastewater collection facilities. The Commission owns and operates trunk lines and treats Clinton's municipal and industrial wastes.

City of Laurens (Laurens Co.)

Agreement with Laurens County to treat wastewater from a rest area on Highway 385. Under the agreement, the County collects the wastewater and sends it to the City for treatment.

McCormick County (McCormick Co.)

Agreement with the Town of McCormick. For an explanation of the agreement, see "Town of McCormick Commission of Public Works."

Town of McCormick Commission of Public Works (McCormick Co.)

Agreements with McCormick County. Under one agreement with the County, the CPW treats wastewater generated by Savannah Lakes Village, a planned community. Under a second agreement with the County, wastewater generated by the state parks of Hickory Knob and Baker Creek, the McCormick Correctional Institute, and the John De La Howe School, is treated.

Town of New Ellenton (Aiken Co.)

Agreement with the City of Aiken. For an explanation of the agreement, see “City of Aiken.”

City of North Augusta (Aiken Co.)

Agreement with the counties of Aiken and Edgefield. For an explanation of the Aiken agreement, see “Aiken County Public Service Authority”. For an explanation of the Edgefield agreement, see “Edgefield County Water and Sewer Authority.”

Town of Olanta (Florence Co.)

Agreement with the City of Lake City. For explanation of the agreement, see “City of Lake City.”

City of Rock Hill (York County)

Agreement with the City of Tega Cay and York County under which Rock Hill treats each entity’s wastewater.

Saluda County (Saluda Co.)

Agreements with the Edgefield County Water and Sewer Authority and the Town of Saluda. For an explanation of the Edgefield agreement, see “Edgefield County Water and Sewer Authority.”

Under the Town of Saluda agreement, the County transports the town’s wastewater.

Town of Scranton (Florence Co.)

Agreement with the City of Lake City. For explanation of the agreement, see “City of Lake City.”

Town of Timmonsville (Florence Co.)

Agreement with the Darlington County Water and Sewer Authority. For an explanation of the agreement, see "Darlington County Water and Sewer Authority."

Town of Ware Shoals (Abbeville and Greenwood Cos.)

Agreement with the Town of Honea Path, Donalds-Due West Water and Sewer Authority, and the Greenwood County Metropolitan District. Under its agreement with the District, wastewater from the Sara Lee knit products manufacturing plant are treated.

Under the Honea Path and Donalds-Due West agreements, Ware Shoals treats wastewater generated by those communities. The Honea Path and Donald-Due West collector system and treatment plant is owned by Ware Shoals.

The town also has an agreement with the Laurens County Water and Sewer Commission to transfer ownership of the portion of the collection system serving Laurens County to the Commission. The Commission collects and pumps wastewater within its service area and the town treats the wastewater.

York County (York Co.)

Agreements with Lancaster County and Carolina Water Service. Under the Lancaster County agreement, York County provides wastewater service to the Burnside and Prestwick subdivisions in Lancaster County's management area.
Under the Carolina Water Service (CWS) agreement, York County grants CWS franchise to provide wastewater collection service to portions of the county. York County provides transportation and treatment service to the CWS service area and leases the CWS River Hills Wastewater Treatment Plant.

VIII. Plan Implementation

A. Roles and Responsibilities

DHEC serves as the statewide water planning agency, responsible for overseeing water quality planning acitivities pursuant to Section 208 of the Clean Water Act. Water quality management planning is a part of DHEC's comprehensive pollution control program that integrates permitting programs to control the transportation, treatment and disposal or use of wastewater and sludge. In addition to water quality management planning, the Agency's Bureau of Water oversees wastewater-related programs for NPDES permitting, land application system permitting, wastewater construction permitting, pretreatment, satellite sewer system and sludge. DHEC's Bureau of Environmental Health also provides related regulation and quality control of onsite wastewater system design, siting and construction.

As the statewide planning agency for water quality, DHEC serves as the planning agency for those 22 counties that are not served by one of the six designated COGs. In this capacity, the Agency is repsonsible for maintaining this 208 Water Quality Management Plan and reviewing proposed projects in the non-designated portion of the State for conformance with it.

The Agency also oversees the development, maintenance and conformance of projects with the regional water qualtiy management plans produced by the six designated planning agencies (COGs). Although DHEC is ultimately responsible for 208 water quality planning descisions in the State, the Agency provides for intergovernmental cooperation by working with the designateed COGs on water qualtiy planning issues. Through a long-standing agreement with DHEC, the designated COGs develop and maintain regional water quality plans and provide reccommendations to the Agency about the conformance of proposed wastewater projects with these regional plans.

B. Nonpoint Source Pollution

Unlike point source pollution, which has a single, identifiable source, nonpoint source (NPS) or runoff pollution generally comes from multiple, diffuse sources that can be difficult to track and is usually associated with rainfall. In addition to affecting surface waters, NPS pollution may also impact groundwaters when it is allowed to seep or percolate into aquifers. Significant sources of NPS pollution include agricultural activities, urban runoff, land disposal of wastes, and construction and other land disturbing activities. Pollutants associated with NPS runoff can include sediment, nutrients, pathogenic organisms, and toxic materials. The adverse effects of runoff pollution include physical destruction of aquatic habitat, fish die-offs, interference with or elimination of recreational uses of a water body (particularly lakes), closure of shellfish beds, reduced water supply or taste and odor problems in drinking water, and increased potential for flooding because water bodies become choked with sediment.

Section 208 of the Clean Water Act requires states to address NPS pollution in their respective Water Quality Management Plans, specifically from agricultural, urban, forestry, mining and groundwater sources. In 1987, amendments to the Clean Water Act were passed which allowed incorporation of NPS Management Plans into Statewide 208 Water Quality Management Plans. The *South Carolina Nonpoint Source Management Program Update* outlines the State's strategic plan for addressing statewide water quality impairments attributable to nonpoint source pollution discharges. The program includes both regulatory and voluntary approaches to achieve water quality improvements, focusing specifically on impaired waterbodies and in priority watersheds.

Nine categories of NPS pollution that impact South Carolina's waters are identified and described: agriculture, forestry, urban areas, marinas and recreational boating, mining, hydrologic modification, wetlands disturbance, land disposal/groundwater impacts and atmospheric deposition. The management plan describes specific measures, implementation schedules and evaluation techniques needed to improve water quality in each category. While DHEC is responsible for program implementation, it is dependent upon the cooperation of other state agencies and stakeholders. Therefore, the program outlines the roles of its partners in helping achieve water quality improvement.

The *South Carolina Nonpoint Source Management Program Update*, as incorporated into this 208 Plan, can be found online at http://www.scdhec.gov/environment/water/docs/nps.pdf
The website also contains the most current annual report outlining progress toward meeting the milestones set forth by the NPS Management Program:
http://www.scdhec.gov/environment/water/docs/npsannual.pdf.

C. Funding

The following is a list of funding sources that may be used to finance wastewater-related projects. With the exception of the 319 Nonpoint Source Pollution Grant and State Revolving Fund programs, DHEC does not manage or endorse these programs. This section is included in the 208 Water Quality Management Plan for informational purposes only.

State Revolving Fund

Run by DHEC and the South Carolina Budget and Control Board, the State Revolving Fund (SRF) program provides low-interest rate loans to municipalities, counties, and special purpose districts for building or repair of wastewater and drinking water systems. Types of wastewater projects that may be eligible for receiving SRF funds include upgrade or expansion of wastewater treatment plants, sewer line rehabilitation and replacement, construction of new pump stations, force mains or collection systems. Loans can also be used for some types of nonpoint source pollution projects. For more information about applying for an SRF loan, please visit www.scdhec.gov/srf.

DHEC 319 Nonpoint Source Pollution Grants

DHEC awards funds through a competitive grant process to stakeholder groups, government entities, or other agencies interested in conducting projects that reduce or prevent nonpoint source (NPS) water pollution through the implementation of a watershed-based plan. First priority is given to projects that implement watershed-based plans for approved total maximum daily loads (TMDLs). These funds are known as Section 319 grants and they pay up to 60% of eligible project costs, with the applicant providing a 40% non-Federal match. Grant proposals for NPS projects are solicited periodically throughout the year. More grant information can be found online at www.scdhec.gov/environment/water/grants.htm#319

USDA Rural Development Water and Environmental Programs

The USDA Rural Development Water and Environmental Programs (WEP) provide loans, grants and loan guarantees for drinking water, sanitary sewer, solid waste and storm drainage facilities in rural areas and towns of 10,000 residents or less. Public entities, non-profit organizations and recognized Indian tribes may qualify for assistance. For more information about any of these programs, please visit www.rurdev.usda.gov/UWEP_HomePage.html.

HUD Community Development Block Grants

The Department of Housing and Urban Development CDBG program provides annual grants on a formula basis to entitled cities and counties to provide housing and expand economic opportunities. HUD awards grants to entitlement community grantees to carry out a wide range of community development activities including construction of public facilities and improvements, such as water and sewer facilities. For non-entitlement communities, guaranteed loans are also available. Additionally, HUD provides states participating in the CDBG program with funds to award to units of general local government that carry out development activities. More information about the CDBG program and its funding mechanisms can be found at www.hud.gov/offices/cpd/communitydevelopment/programs.

Appendix A

Plan Amendments

Appendix B

Management Agency Designation Forms

WATER QUALITY MANAGEMENT AGENCY
LEGAL ABILITY STATEMENT

Agency Name: _____

Pursuant to Section 208 of the Clean Water Act, Management Agencies are required to have ability to:

I. Carry out appropriate portions of an area wide waste treatment management plan developed under subsection (b)

II. Manage effectively waste treatment works and related facilities serving such area in conformance with any plan required by subsection (b)

III. Directly or by contract, design and construct new works, and to operate and maintain new and existing works as required by any plan developed pursuant to subsection (b)

IV. Accept and utilize grants, or other funds from any source, for waste treatment management purposes

V. Raise revenues, including the assessment of waste treatment charges

VI. Incur short- and long-term indebtedness

VII. Assure in implementation of an area wide waste treatment management plan that each participating community pays its proportionate share of treatment costs

VIII. Refuse to receive any wastes from any municipality or subdivision thereof, which does not comply with any provisions of an approved plan under this section applicable to such area

IX. Accept industrial waste for treatment

I Certify that _____

has the legal ability to conduct the above activities.

Legal Counsel Printed Name: _____

Legal Counsel Signature:_____ **Date:**_____

WATER QUALITY MANAGEMENT AGENCY
WILLINGNESS AND IMPLEMENTATION STATEMENT

Agency Name: _____

We hereby accept and are willing to implement the responsibilities identified for this agency in the Statewide 208 Water Quality Management Plan summarized as follows:

I. To provide effective wastewater management by authority of the agency's charter, to include establishment, or continued implementation, of a regulatory program for:

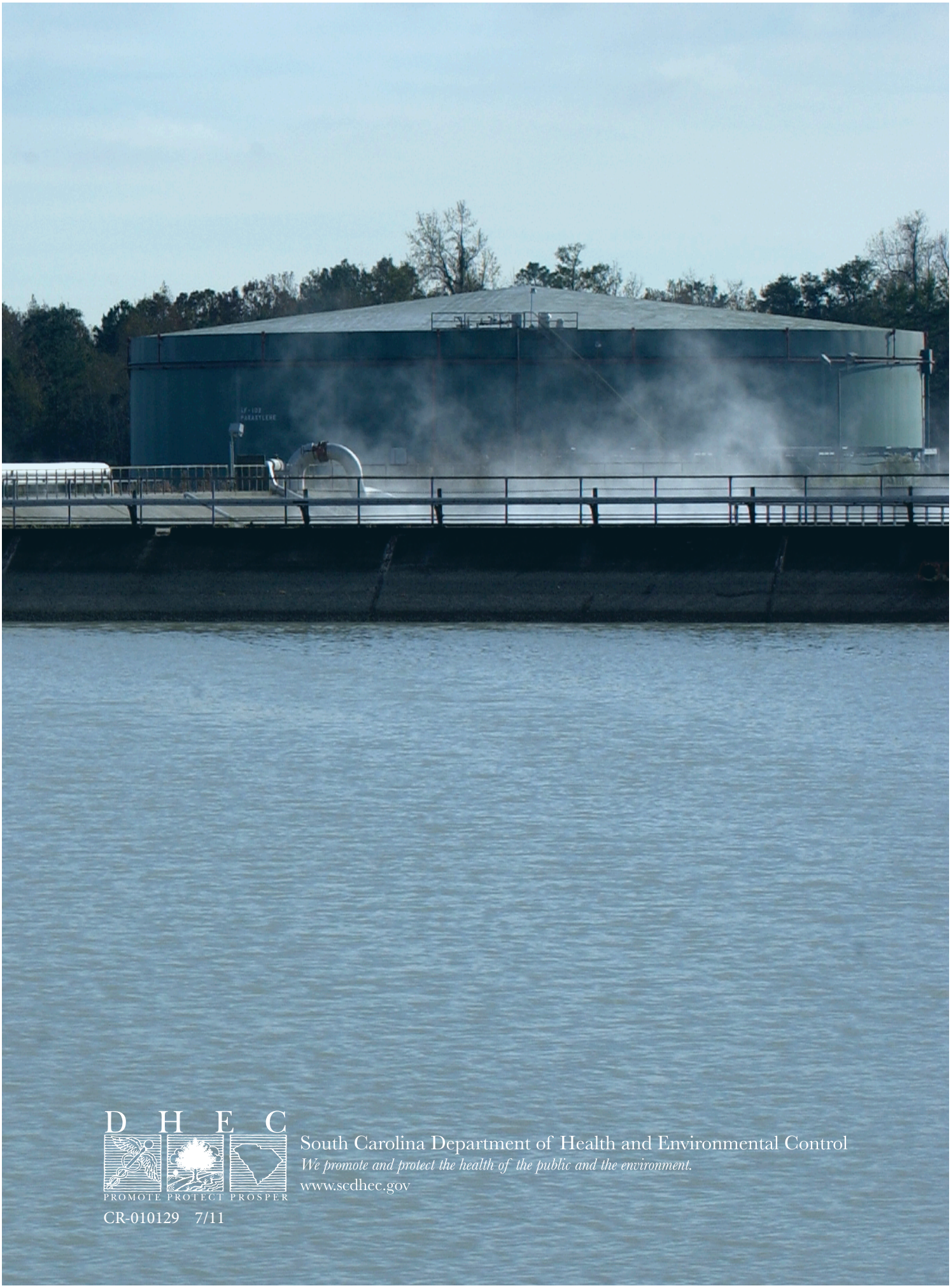
   A. Location, modification, and construction of public and private domestic wastewater treatment facilities including conveyance facilities such as collection systems and trunk lines

   B. Appropriate waste treatment policies and procedures to include:
      (1) A schedule of fair user charges
      (2) Pretreatment standards for industrial wastes (if needed) and regulatory controls to accept or refuse municipal and/or industrial wastes
      (3) Such other policies and procedures as may be appropriate

II. To develop or continue to implement an effective series of administrative management procedures and a personnel system appropriate to staff the agency for the discharge of its duties and responsibilities.

We therefore sign and date this statement as of _____
Date

FOR:	**BY**:
_____	_____
Agency Name	Signature
_____	_____
Agency Address 1	Name (print)
_____	_____
Agency Address 2	Signature
_____	_____
Agency City, State and Zip Code	Name (print)



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