APPENDIX B

WATER PERMITS

STATE OF TENNESSEE
AQUATIC RESOURCE ALTERATION PERMIT

NRS 01.379

Pursuant to the Tennessee Water Quality Control Act of 1977 (T.C.A. § 69-3-101 et seq.) and supporting regulations, and in conformance with approved plans, specifications, data and other information submitted in support of the referenced application,

AUTHORIZATION IS HEREBY GRANTED TO:

Shelbyville Power, Water & Sewerage System
308 South Main St.
Shelbyville, Tennessee 37162

PROJECT DESCRIPTION:

The authorized activity includes the increase of the existing public water supply withdrawal rate of 9.3 cfs (6 million gallons per day (mgd)) to 15.47 cfs (10 mgd). No construction work is proposed in the river or at the intake structure.

LOCATION: Duck River mile 222.0 in Shelbyville, Bedford County

EFFECTIVE DATE: September 20, 2002

EXPIRATION DATE: September 20, 2007

PERMIT CONDITIONS:

1. The work shall be accomplished in conformance with the approved plans, specifications, data and other information submitted in support of the above application and the limitations, requirements, and conditions set forth herein.
2. Regional, inter-jurisdictional planning must support future requests for withdrawal in excess of the 10.0 mgd authorized here. Such request shall include a demonstration of water conservation and an assessment of alternatives. Further, the application will need to demonstrate maintenance of in-stream flows for protection of fish and aquatic life.
3. A completed application for renewal of the permit to withdraw shall be submitted no later than 120 days in advance of the expiration of the existing permit.
4. All work shall be carried out in such a manner as will prevent violations of water quality criteria as stated in Rule 1200-4-3.-03 of the Rules of The Tennessee Department of Environment and Conservation. This includes but is not limited to the prevention of any discharge that causes a condition in which visible solids, bottom deposits, or turbidity impairs the usefulness of waters of the State for any of the uses designated by Rule 1200-4-4. These uses include fish and aquatic life, livestock watering and wildlife, recreation, irrigation, industrial water supply, and domestic water supply.

This does not obviate requirements of other federal, state or local laws. In particular, work shall not commence until the applicant has received the federal §404 permit from the U. S. Army, Corps of Engineers or §26a permit from the Tennessee Valley Authority where necessary.

The State of Tennessee reserves the right to modify or revoke this permit or to seek modification or revocation should the State determine that the activity results in violation of applicable water quality criteria or violation of the Act. Failure to comply with permit terms may result in penalty in accordance with § 69-3-115 of the Act.

An appeal of this action may be made to the Water Quality Control Board. In order to appeal, a petition requesting a hearing before the Board must be filed within 30 days after receipt of the permit. In such petition, each contention should be stated in numbered paragraphs that describe how the proposed activity would be lawful and the action of the State is inappropriate. The petition must be prepared on 8 ½" x 11" paper, addressed to the Water Quality Control Board and filed in duplicate at the following address: Paul E. Davis, Director, Division of Water Pollution Control, 6th Floor L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534. Any hearing would be in accordance with Tennessee Code Annotated Sections 69-3-110 and 4-5-301 et seq.

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Paul E. Davis Date
Director

STATE OF TENNESSEE
AQUATIC RESOURCE ALTERATION PERMIT

#: 98 - 463

Pursuant to the Tennessee Water Quality Control Act of 1977 (T.C.A. § 69-3-101 et seq.) and supporting regulations, and in conformance with approved plans, specifications, data and other information submitted in support of the referenced application,

AUTHORIZATION IS HEREBY GRANTED TO:

Town of Springhill
P. O. Box 789
Spring Hill, Tennessee 37174

PROJECT DESCRIPTION:

The authorized work includes construction of a raw water intake and withdrawal of 6 million gallons per day (mgd) from the Duck River.

LOCATION: Duck River mile 166 near Spring Hill in Maury County

EFFECTIVE DATE: March 8, 1999

EXPIRATION DATE: March 8, 2004

PERMIT CONDITIONS:

1. The work shall be accomplished in conformance with the approved plans, specifications, data and other information submitted in support of the above application and the limitations, requirements, and conditions set forth herein.

2. Prior to commencement of construction of the intake facility, the permittee must submit final plans for the intake facility and its construction, and have received approval of those plans from this office.

3. Temporary erosion and sedimentation control measures must be used throughout the construction period. Effective erosion control must be installed along the base of all fills and cuts, on the down hill side of stock piled soil, and along stream banks in cleared or graded areas to prevent sedimentation into streams. Controls shall be repaired and maintained as necessary. Measures shall include, but not be limited to the use of entrenched fabric filter fence, entrenched staked straw bales, sediment basins, berms, dams, brush barriers, fiber mats, netting, gravel, mulches, grasses, slope drains, etc.

4. All disturbed areas shall be covered with mulch within 30 days of attainment of final grade and seeded with any appropriate combination of annual grains and grasses, legumes, and perennial grasses necessary to achieve a vegetative cover against erosion. Lime and fertilizer shall be applied as needed. Temporary seeding and mulching shall be applied where final grade is not yet achieved. Under no circumstances shall soil slopes be left exposed for greater than 30 days.

5. Slurry water pumped from work areas and excavations must be held in settling basins or treated by filtration prior to its discharge into surface waters. Water must be held in settling basins until at least as clear as the receiving waters. Settling basins shall not be located closer than 20 feet from the top bank of a stream. Settling basins and traps shall be properly designed according to the size of the drainage areas or volume of water to be treated.

6. Appropriate steps shall be taken to ensure that petroleum products or other chemical pollutants are prevented from entering waters of the state. Measures shall be taken immediately to prevent the pollution of waters of the state, including groundwater.

All work shall be carried out in such a manner as will prevent violations of water quality criteria as stated in Rule 1200-4-3.-03 of the Rules of The Tennessee Department of Environment and Conservation. This includes but is not limited to the prevention of any discharge which causes a condition in which visible solids, bottom deposits, or turbidity impairs the usefulness of waters of the State for any of the uses designated by Rule 1200-4-4. These uses include fish and aquatic life, livestock watering and wildlife, recreation, irrigation, industrial water supply, and domestic water supply.

This does not obviate requirements of other federal, state or local laws. In particular, work shall not commence until the applicant has received the federal §404 permit from the U. S. Army, Corps of Engineers or §26a permit from the Tennessee Valley Authority where necessary.

The State of Tennessee reserves the right to modify or revoke this permit or to seek modification or revocation should the State determine that the activity results in more than an insignificant violation of applicable water quality criteria or violation of the Act. Failure to comply with permit terms may result in penalty in accordance with § 69-3-115 of the Act.

An appeal of this action may be made to the Water Quality Control Board. In order to appeal, a petition requesting a hearing before the Board must be filed within 30 days after receipt of the permit. In such petition, each contention should be stated in numbered paragraphs which describe how the proposed activity would be lawful and the action of the State is inappropriate. The petition must be prepared on 8 ½" x 11" paper, addressed to the Water Quality Control Board and filed in duplicate at the following address: Paul E. Davis, Director, Division of Water Pollution Control, 6th Floor L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534. Any hearing would be in accordance with Tennessee Code Annotated Sections 69-3-110 and 4-5-301 et seq.

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Paul E. Davis Date
Director

STATE OF TENNESSEE
AQUATIC RESOURCE ALTERATION PERMIT

NRS 00.386

Pursuant to the Tennessee Water Quality Control Act of 1977 (T.C.A. § 69-3-101 et seq.) and supporting regulations, and in conformance with approved plans, specifications, data and other information submitted in support of the referenced application,

AUTHORIZATION IS HEREBY GRANTED TO:

Columbia Power and Water System
201 Pickens Lane
Columbia, Tennessee 38402

PROJECT DESCRIPTION:

The authorized work includes withdrawal of water for domestic water supply. Also authorized is the construction of the structures required to accomplish the withdrawal. This includes a rectangular, multi-level concrete building. The structure would be constructed adjacent to the existing intake structure. An area of riverbank would be excavated to allow water to flow into the intake.

LOCATION: Duck River mile 134.05, in Columbia, Maury County

EFFECTIVE DATE: **January 28, 2002**

EXPIRATION DATE: **January 28, 2007**

PERMIT CONDITIONS:

1. The work shall be accomplished in conformance with the approved plans, specifications, data and other information submitted in support of the above application and the limitations, requirements, and conditions set forth herein.
2. The maximum instantaneous withdrawal rate shall be limited to thirty cubic feet per second.
3. The withdrawal shall not result in a reduction of flow in the Duck River of less than 100 cubic feet per second as measured downstream of the intake.
4. All work shall be carried out in such a manner as will prevent violations of water quality criteria as stated in Rule 1200-4-3.-03 of the Rules of The Tennessee Department of Environment and Conservation. This includes but is not limited to the prevention of any discharge that causes a condition in which visible solids, bottom deposits, or turbidity impairs the usefulness of waters of the State for any of the uses designated by Rule 1200-4-4. These uses include fish and aquatic life, livestock watering and wildlife, recreation, irrigation, industrial water supply, and domestic water supply.
5. Temporary erosion and sedimentation control measures must be used throughout the construction period. Effective erosion control must be installed along the base of all fills and cuts, on the down hill side of stock piled soil, and along stream banks in cleared or graded areas to prevent sedimentation into streams. Controls shall be repaired and maintained as necessary. Measures shall include, but not be limited to the use of entrenched fabric filter fence, entrenched staked straw bales, sediment basins, berms, dams, brush barriers, fiber mats, netting, gravel, mulches, grasses, slope drains, etc.
6. All disturbed areas shall be covered with mulch within 30 days of attainment of final grade and seeded with any appropriate combination of annual grains and grasses, legumes, and perennial grasses necessary to achieve a vegetative cover against erosion. Lime and

fertilizer shall be applied as needed. Temporary seeding and mulching shall be applied where final grade is not yet achieved. Under no circumstances shall soil slopes be left exposed for greater than 30 days.

7. Slurry water pumped from work areas and excavations must be held in settling basins or treated by filtration prior to its discharge into surface waters. Water must be held in sediment basins until at least as clear as the receiving waters. Sedimentation basins shall not be located closer than 20 feet from the top bank of a stream. Sediment basins and traps shall be properly designed according to the size of the drainage areas or volume of water to be treated.
8. Appropriate steps shall be taken to ensure that petroleum products or other chemical pollutants are prevented from entering waters of the state. All spills must be reported immediately to the appropriate emergency management agency. Measures shall be taken immediately to prevent the pollution of waters of the State, including groundwater.

This does not obviate requirements of other federal, state or local laws. In particular, work shall not commence until the applicant has received the federal §404 permit from the U. S. Army, Corps of Engineers or §26a permit from the Tennessee Valley Authority where necessary.

The State of Tennessee reserves the right to modify or revoke this permit or to seek modification or revocation should the State determine that the activity results in more than an insignificant violation of applicable water quality criteria or violation of the Act. Failure to comply with permit terms may result in penalty in accordance with § 69-3-115 of the Act.

An appeal of this action may be made to the Water Quality Control Board. In order to appeal, a petition requesting a hearing before the Board must be filed within 30 days after receipt of the permit. In such petition, each contention should be stated in numbered paragraphs that describe how the proposed activity would be lawful and the action of the State is inappropriate. The petition must be prepared on 8 ½" x 11" paper, addressed to the Water Quality Control Board and filed in duplicate at the following address: Paul E. Davis, Director, Division of Water Pollution Control, 6th Floor L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534. Any hearing would be in accordance with Tennessee Code Annotated Sections 69-3-110 and 4-5-301 et seq.

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Paul E. Davis Date
Director