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# **2009 Annual Report on Interbasin Transfers for The Cities of Concord and Kannapolis**

Prepared for  
**City of Concord  
City of Kannapolis**

Submitted to:  
**North Carolina Division of Water Resources**

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# Executive Summary

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The 2009 Annual Report on Interbasin Transfers (IBTs) for the Cities of Concord and Kannapolis (Cities) includes monitoring data for daily tracking of IBT amounts and documentation of compliance with all IBT Certificate conditions. Annual reports were previously prepared for calendar years 2007 and 2008.

The North Carolina Environmental Management Commission (EMC) approved the Cities' IBT Certificate in January 2007 authorizing transfers of up to 10 million gallons per day (mgd) from the Catawba River Basin to the Rocky River Basin and 10 mgd from the Yadkin River Basin to the Rocky River Basin. Additionally, a grandfathered IBT of 6 mgd authorizes transfer from Second Creek, located in the South Yadkin River Basin, to the Rocky River Basin. The terms "Cities" "Certificate Holders" and Cities are used interchangeably herein.

In 2009, the Certificate Holders complied with all conditions of their IBT Certificate. The Cities of Concord and Kannapolis made no transfers from the Catawba River Basin during 2009. The maximum daily transfer from the Yadkin River Basin was 0.3 mgd. In late October, the City of Salisbury experienced an infrastructure issue which temporarily halted the sale of water to Kannapolis until the end of the year.

In late 2009, the City of Kannapolis briefly pumped on average 5.5 mgd from Second Creek to Kannapolis Lake under its South Yadkin River Basin grandfathered IBT. This equates to an annual average of 0.45 mgd. In October of 2009, the previous technical issues were resolved with the raw water pump station, thereby allowing transfer from Second Creek. The transfer continued through November 2009 and was stopped when Kannapolis Lake reached full pool. Water sales to Landis reduced the IBT from Second Creek to an average of 0.27 mgd during that period. The maximum day transfer from the South Yadkin River Basin was 5.67 mgd. IBT amounts for 2009 are provided in Table ES-1. The 2009 IBT daily transfers for Concord and Kannapolis are also shown in Figure ES-1.

**TABLE ES-1**  
 2009 IBT Average Annual & Maximum Day Demands for Entire Concord-Kannapolis Service Area  
*Annual Report on Interbasin Transfers for the Cities of Concord and Kannapolis*

Year	Catawba River Basin			Yadkin River Basin			Second Creek <sup>d</sup> (South Yadkin River Basin)		IBT as % of Grand- fathered Amount <sup>c</sup>
	Water Purchase (mgd)		IBT as % of Certificate <sup>a</sup>	Water Purchase (mgd)		IBT as % of Certificate <sup>b,c</sup>	Water Transfer (mgd)		
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2009	0.000	0.00	0.0%	0.25	0.3	3.0%	0.27	5.67	94.5%

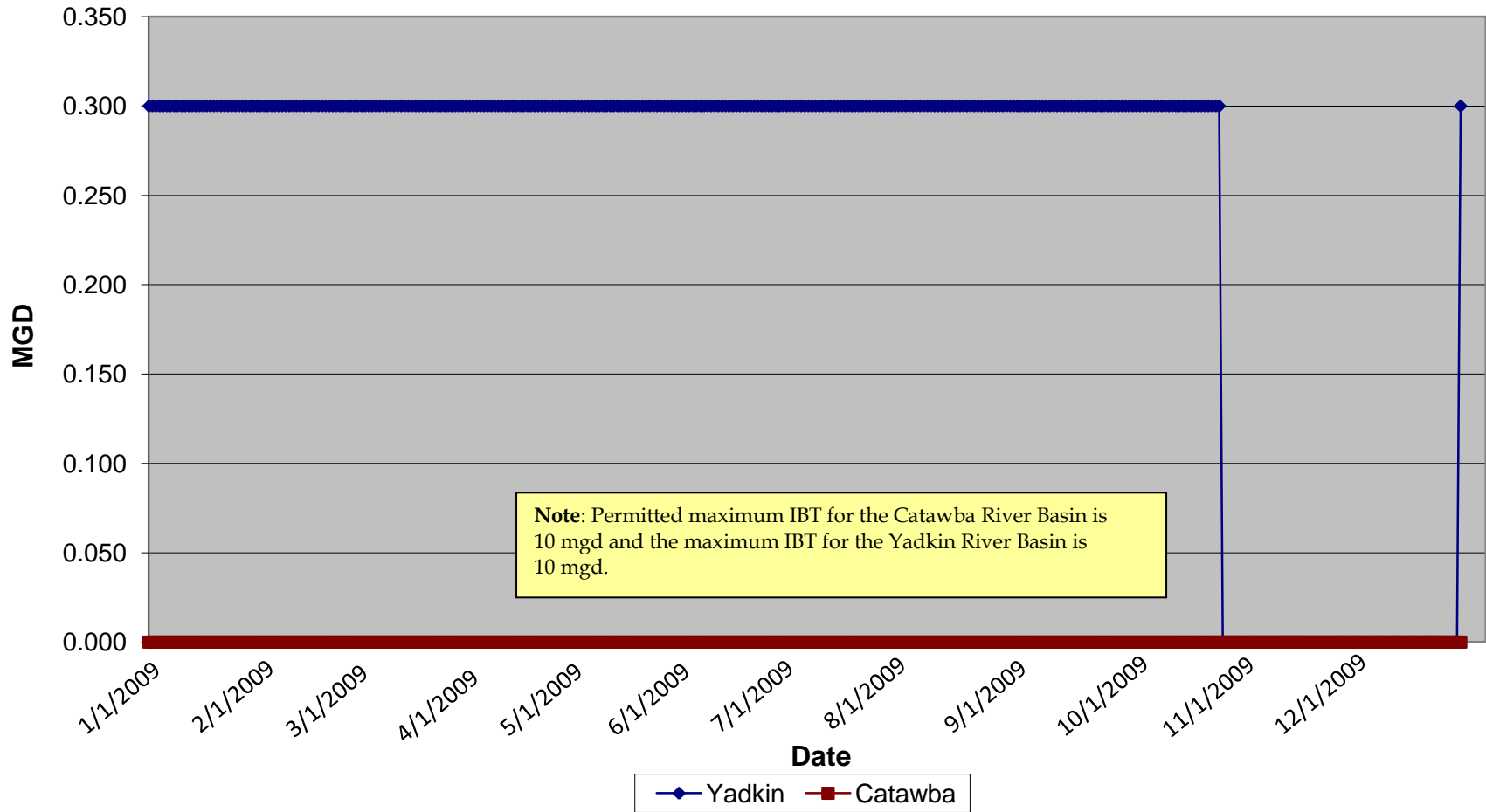
<sup>a</sup> Maximum Day IBT of 10 mgd from the Catawba River Basin.

<sup>b</sup> Maximum Day IBT of 10 mgd from the Yadkin River Basin.

<sup>c</sup> The grandfathered 6-mgd Maximum Day IBT limit from Second Creek (South Yadkin River Basin) into the Rocky River Basin is not included in the 10-mgd Maximum Day IBT limit for the Yadkin River Basin.

<sup>d</sup> The average was calculated based on the entire year, although the pump station was only operated for approximately a 1-month period. Sales continued to Landis throughout the year.

### 2009 Daily IBT Per Basin



**FIGURE ES-1**  
2009 Daily Interbasin Transfers by Basin

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Daily Interbasin Transfer Amounts for 2009

# Acronyms and Abbreviations

CMU	Charlotte-Mecklenburg Utilities
EMC	Environmental Management Commission
FERC	Federal Energy Regulatory Commission
IBT	Interbasin Transfer
LIP Low Inflow	Low Inflow Protocol
mgd	million gallons per day
NCDWR	North Carolina Division of Water Resources
WSRP	Water Shortage Response Plan
WTP	Water Treatment Plant

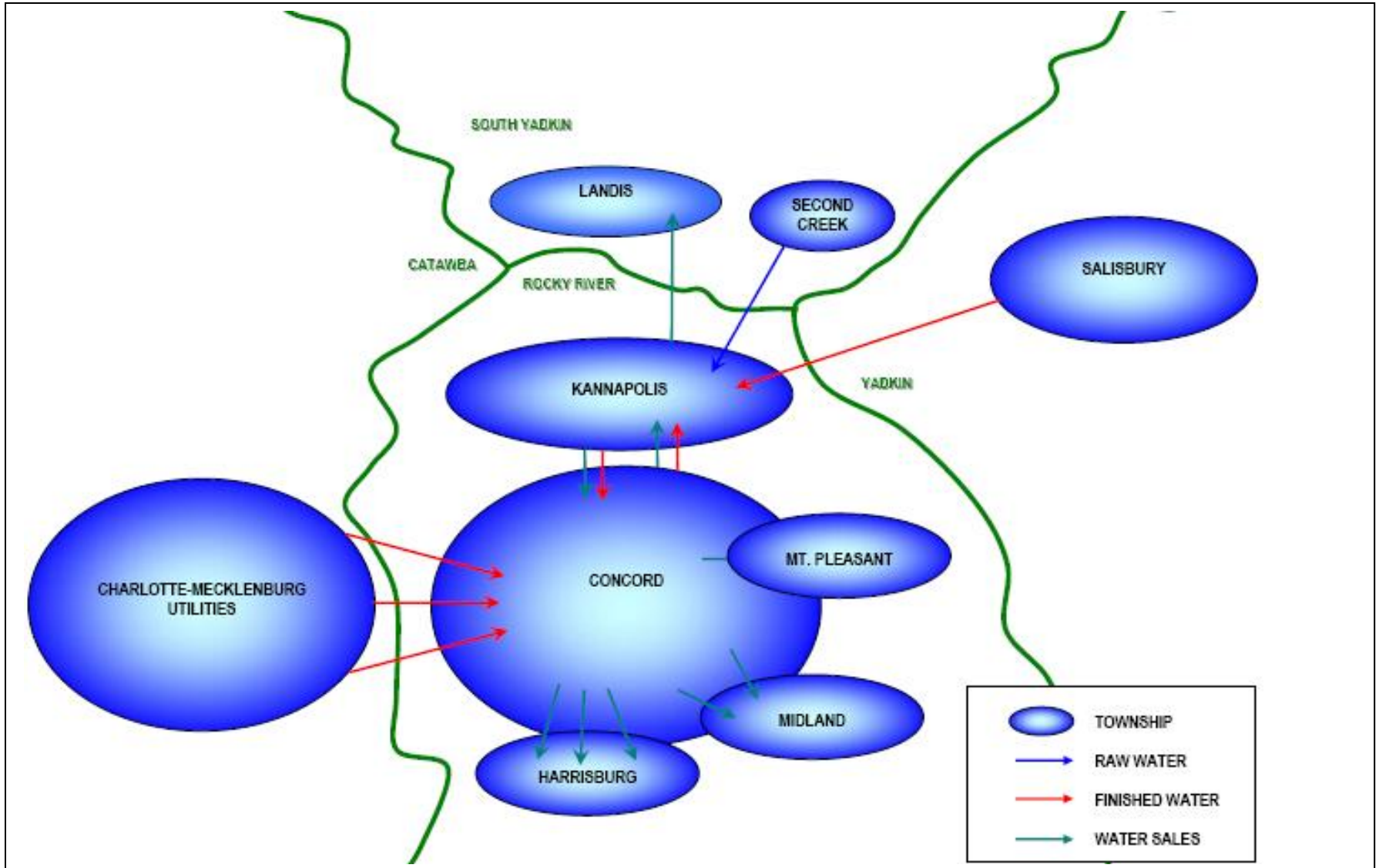
# 1.0 Introduction

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The Cities of Concord and Kannapolis (Cities) received an interbasin transfer (IBT) Certificate, which was originally approved on January 10, 2007, and signed into effect on January 25, 2007. The North Carolina Environmental Management Commission (EMC) has authorized transfers of up to 10 million gallons per day (mgd) from the Catawba River Basin to the Rocky River Basin and 10 mgd from the Yadkin River Basin to the Rocky River Basin. As a condition of the IBT Certificate, the Cities are required to produce an Annual Report that documents transfers over the past year. Annual reports were also prepared for calendar years 2007 and 2008.

The Cities provide water to each other, various municipalities in the area (including: Mount Pleasant, Midland, Harrisburg, and Landis), and unincorporated areas of Cabarrus County. Concord owns and operates the water distribution system used by the Town of Midland. Charlotte-Mecklenburg Utilities (CMU) and the City of Salisbury currently have contracts to provide water to the Cities from the Catawba and Yadkin River Basins, respectively. Kannapolis has an agreement in place with the City of Salisbury to purchase 0.3 mgd of finished water on a daily basis; currently, Concord purchases finished water from CMU only on an emergency basis. There were no purchases in 2009.

The terms “Cities” and “Certificate Holders” are used interchangeably herein. Figure 1-1 illustrates the ability to transfer waters among the Certificate Holders and all municipalities served by the Certificate Holders.



**FIGURE 1-1**  
Water Connections of the Certificate Holders and All Municipalities Served by the Certificate Holders

## 2.0 IBT Monitoring

### 2.1 Service Area Water Demand

Table 2-1 presents 2009 annual average water production for the Certificate Holders based on finished water produced at the Hillgrove, Coddle Creek, and Kannapolis Water Treatment Plants (WTPs). It also shows finished water purchases from CMU and the City of Salisbury, if they occurred. Additionally, Table 2-1 presents the 2009 annual average IBT (or water purchases) from each basin covered by the IBT Certificate and from Second Creek, from which transfers are authorized by a grandfathered IBT. In 2009, finished water production averaged 12.90 mgd and purchased IBT finished water averaged 0.25 mgd for the Yadkin River Basin. No finished water was purchased from the Catawba River Basin. The combined 2009 annual average water use for the Certificate Holders was 13.15 mgd.

**TABLE 2-1**  
2009 Water Production or Purchases by River Basin  
*Annual Report on Interbasin Transfers for the Cities of Concord and Kannapolis*

2009					
Certificate Holders	Annual Average Finished Water Produced <sup>a</sup> (mgd)	Annual Average Purchased Water (mgd)			Annual Average Combined Water Use (mgd)
		Catawba River Basin	Yadkin River Basin <sup>b</sup>	Second Creek <sup>c</sup>	
Concord & Kannapolis	12.90	0.00	0.25	0.45	13.15

<sup>a</sup> Water produced within Rocky River Basin; may include water from Second Creek transferred directly into Kannapolis Lake.

<sup>b</sup> In late October, infrastructure problems led to the halt of the daily Salisbury sale of 0.3 mgd to Kannapolis; the daily sale resumed on December 31, 2009.

<sup>c</sup> In late 2009, the Second Creek raw water pump station was briefly placed back online after technical issues were resolved. The transfer only occurred for a brief period since Kannapolis Lake was at full pool, resulting in a lower average transfer than in previous years.

### 2.2 Interbasin Transfers

Daily IBT amounts for the Certificate Holders are included in the Appendix. Data are provided for the period January 1, 2009 through December 31, 2009. *There were no IBTs from the Catawba River Basin during the calendar year 2009. The maximum day IBT from the Yadkin River Basin during the calendar year 2008 was 0.3 mgd, which was consistent daily throughout 2009 due to contract agreements between Salisbury and Kannapolis except during a brief period of infrastructure-related stoppage.* This represents 3.0 percent of the permitted maximum day, 10-mgd IBT from the Yadkin River Basin under the Certificate approved by the EMC in January 2007. Table 2-2 shows the IBT use for the Certificate Holders and the percentage of use from the Catawba and Yadkin River Basins.



With regard to the South Yadkin River Basin transfer, the technical issues with the raw water pump station at Second Creek were resolved, thereby allowing transfer. The transfer began in October of 2009 and continued through November 2009, but then was stopped since Kannapolis Lake was at full pool and required no supplement to its water supply storage. In 2009, the average transfer from Second Creek was 0.45 mgd. With the sales to Landis, the average IBT from the South Yadkin River Basin was 0.27 mgd. Table 2-2 also includes this summary of the grandfathered IBT.

**TABLE 2-2**  
 2009 IBT Average Annual & Maximum Day Demands for Entire Concord-Kannapolis Service Area  
*Annual Report on Interbasin Transfers for the Cities of Concord and Kannapolis*

Year	Catawba River Basin			Yadkin River Basin			Second Creek <sup>d</sup> (South Yadkin River Basin)		
	Water Purchase (mgd)		IBT as % of Certificate <sup>a</sup>	Water Purchase (mgd)		IBT as % of Certificate <sup>b,c</sup>	Water Transfer (mgd)		IBT as % of Certificate <sup>c</sup>
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2009	0.000	0.00	0.0%	0.25	0.3	3.0%	0.27	5.67	94.5%

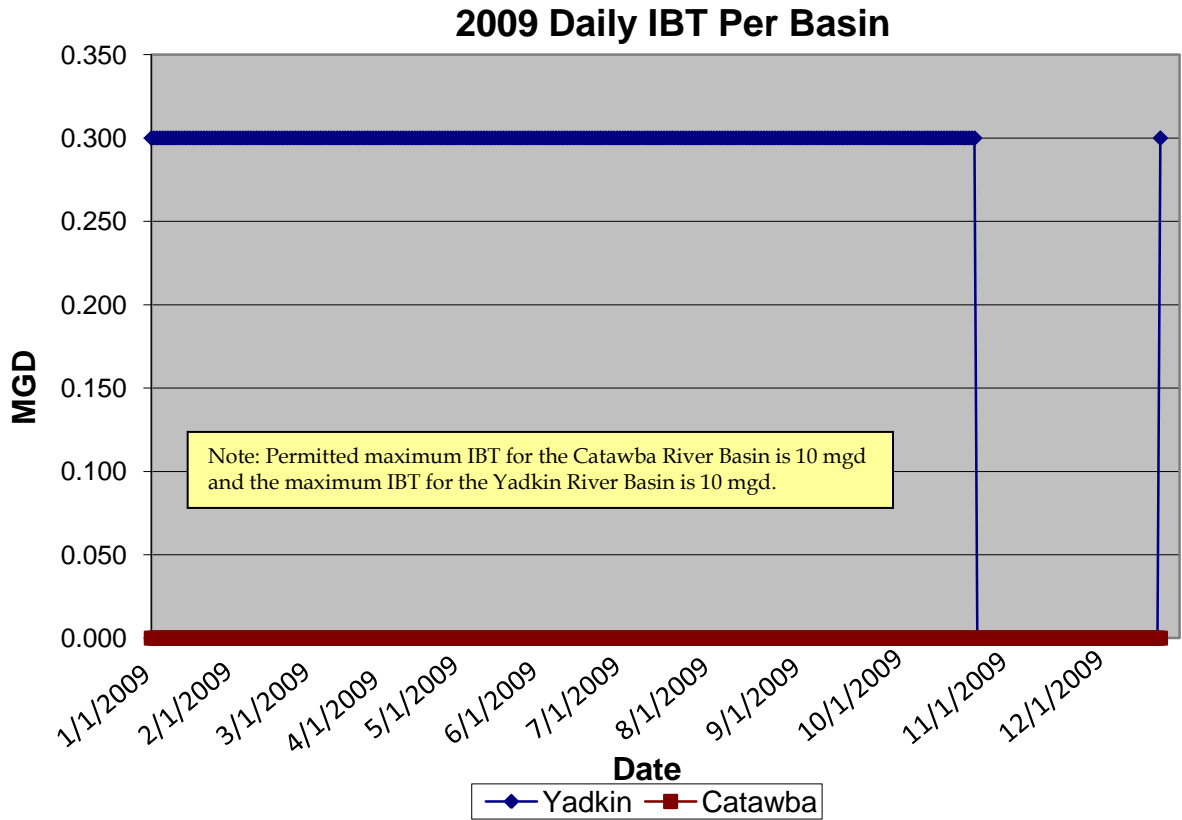
<sup>a</sup> Maximum Day IBT of 10 mgd from the Catawba River Basin.

<sup>b</sup> Maximum Day IBT of 10 mgd from the Yadkin River Basin.

<sup>c</sup> The grandfathered 6-mgd Maximum Day IBT limit from Second Creek (South Yadkin River Basin) into the Rocky River Basin is not included in the 10-mgd Maximum Day IBT limit for the Yadkin River Basin.

<sup>d</sup> The average was calculated based on the entire year, although the pump station was only operated for approximately a 1-month period. Sales continued to Landis throughout the year.

Figure 2-1 displays the daily IBT amounts for water purchases from the Catawba and Yadkin River Basins.



**FIGURE 2-1**  
Daily IBT Amounts by Basin

## 3.0 Compliance with Certificate Conditions

A summary of the conditions of the IBT Certificate approved on January 10, 2007 along with the current status of compliance for each is provided below. Language from the certificate is followed by 2009 actions for each condition.

### 3.1 Condition 1 (Federal Energy Regulatory Commission [FERC] Licensure)

*If at any time any legal requirement that (a) governs the operation of the hydroelectric facilities in the Catawba River Basin currently licensed as Federal Energy Regulatory Commission (FERC) Project No. P-2232 or in the Yadkin Pee-Dee River Basin currently licensed as FERC Project Nos. P-2206 and P-2197 and (b) governs or affects water use and/or quality, substantially differs from the actual or anticipated FERC license conditions or other legal requirement upon which the analysis underlying this Certificate is based, such as changes to minimum flow requirements or drought mitigation measures, the Commission may reopen and modify this Certificate.*

This condition requires no action by the Certificate Holders.

### 3.2 Condition 2 (Drought Management Plan)

*Each Certificate Holder shall prepare a Drought Management Plan. The Cities shall implement measures corresponding to the most severe level of drought conditions in either the Catawba or Yadkin River Basins. The Cities shall not transfer any water to any other jurisdictions unless that jurisdiction agrees to be bound by this condition in full.*

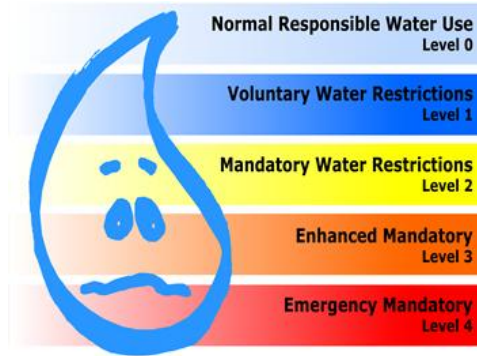
The Cities submitted the Drought Management Plan on July 31, 2007; comments were received on November 11, 2007, and the revised plan was submitted on January 8, 2008. The Drought Management Plan was incorporated into an updated Water Shortage Response Plan (WSRP) in 2009. The WSRP, prepared as joint document for the Certificate Holders, is currently under review by North Carolina Division of Water Resources (NCDWR).

Table 3-1 shows drought Stages 0-4, the names of each, the date the Catawba River Basin managers implemented Draft Low Inflow Protocol (LIP) actions in response to drought monitoring, the Yadkin-Pee Dee River Basin drought monitor, and the associated actions taken by the Cities. Duke Energy continues to implement the Draft LIP for the Catawba River Basin, and the Cities have responded by following suit with actions to limit water consumption. In the Yadkin-Pee Dee River Basin, the Draft LIP is not yet being implemented. ALCOA and other partners in the basin began monthly drought action coordination calls in late 2007, which continued throughout 2008 and 2009.

Beginning in the winter of 2008, drought conditions in the state began to decrease, permitting an easing of drought restrictions for both the Catawba and Yadkin River Basins. The Catawba River Basin classification changed from Stage 3 to Stage 2 on January 2, 2009, to Stage 1 on April 6, 2009, to Normal on June 30, 2009, to Stage 0 on September 1, 2009, and

to Normal on December 3, 2009. Additionally, the Yadkin River Basin classification changed from Stage 1 to Stage 0 on March 31, 2009.

In 2009, rainfall amounts were sufficient that drought restrictions were eased to Normal in both the Yadkin River Basin and the Catawba River Basin. This allowed for the Cities' Level 0 mandatory water restrictions to be effective on April 11, 2009, as noted in Table 3-1 and Figure 3-1. The Cities' Level 0, termed Normal Responsible Water Use, has a goal of water conservation by including restrictions on lawn irrigation days. Additionally, Level 0 encourages voluntary water conservation practices by customers, including household water reuse and the installation of flow restriction devices.



**Figure 3-1**  
The Cities' Water Restriction Levels

The Cities have agreements in place that include enforcement policies with other systems that purchase water from them.

**TABLE 3-1**  
 Concord and Kannapolis Drought Stages  
*Annual Report on Interbasin Transfers for the Cities of Concord and Kannapolis*

Drought Stage	Stage Name	Effective Date of Drought			Actions Taken
		Catawba River Basin <sup>a</sup> (Draft LIP)	Yadkin River Basin <sup>b</sup> (NC Drought Monitor)	Action by Cities (following Draft LIP)	
0	Drought Planning	September 1, 2009	March 31, 2009	April 11, 2009 <sup>c</sup>	Lawn irrigation allowed only on Tuesday, Thursday, & Saturday. Other voluntary conservation efforts encouraged.
1	Drought Watch	April 6, 2009	September 1, 2008		
2	Drought Warning	January 2, 2009	-		
3	Drought Emergency Level I		-	September 10, 2008	Only on Saturdays the following are permitted: lawn irrigation using any type of system (in-ground systems, soaker hoses, oscillating sprinklers, etc.) and residential use of water for wash-down of outside areas using a hand-held hose or pressure washer, both equipped with a spring-loaded nozzle.
4	Drought Emergency Level II	-	-		

<sup>a</sup> The Catawba River Basin classification changed from Stage 3 to Stage 2 on January 2, 2009, to Stage 1 on April 6, 2009, to Normal on June 30, 2009, to Stage 0 on September 1, 2009 and to Normal on December 3, 2009.

<sup>b</sup> The basin changed from Stage 1 to Stage 0 in late March 2009, and then to Normal on May 12, 2009, and remains as Normal.

<sup>c</sup> Stage 0 as defined by the Cities includes mandatory irrigations restrictions, limiting watering to three days per week.

### 3.3 Condition 3 (Disaggregation of IBT Amount)

*If the Certificate Holders discontinue their cooperative service agreement, then the permitted IBT amount will be allocated amongst the Certificate Holders based on their projected 2030 needs.*

The cooperative service agreement between the Certificate Holders remained in effect throughout 2009.

The Cities and local municipalities cooperatively and effectively communicate and manage their respective water distribution systems. In 2009, Concord purchased water from Kannapolis, as noted in Table 3-2. Additionally, Concord owns and operates the water distribution system for Midland, providing water service to all Midland customers. Harrisburg purchases water from Concord and in June of 2007 Concord installed three master meters to reliably measure flows to Harrisburg. Concord also provides water service to unincorporated areas of Cabarrus County. Mount Pleasant did not purchase water from the City of Concord in 2009. Further emphasizing the interconnected nature of the Cities and local municipalities, Kannapolis provides water to Landis, located in the South Yadkin River Basin, which is not subject to this IBT Certificate.

**TABLE 3-2**

2009 Average Annual & Maximum Day Purchased Water from Kannapolis  
*Annual Report on Interbasin Transfers for the Cities of Concord and Kannapolis*

Kannapolis Water Purchase (mgd)		
Year	Average Annual	Maximum Day
2009	0.07	1.3

### 3.4 Condition 4 (Compliance and Monitoring Plan)

*In cooperation with the Division of Water Resources, the Certificate Holders shall develop an IBT Compliance and Monitoring Plan.*

The Cities submitted the Compliance and Monitoring Plan on July 31, 2007. This plan was finalized in December 2007.

### 3.5 Condition 5 (EMC Consideration of Impacts)

*The EMC may reopen the Certificate and adjust existing or require new conditions to ensure detrimental impacts are mitigated if environmental impacts are found to be substantially different from those projected in the EMC's Findings of Fact.*

This condition requires no action by the Certificate Holders. The EMC did not take action on this condition in 2009.

### **3.6 Condition 6 (20-Year Certificate Evaluation)**

*In twenty years from the date of the Certificate, the Cities shall submit a written report to the EMC to include: (a) summary of transfers for the previous twenty years, (b) discussion of any changes to the environmental impacts assessment from IBT transfers, (c) summary of all actions to address actual or potential drought conditions, (d) recommendations for any changes to the Certificate, (e) details on consultation with interested stakeholders, and (f) certification of compliance with Certificate. This will continue at 20-year intervals.*

The IBT Certificate was approved on January 10, 2007 and signed into effect on January 25, 2007; therefore, the first 20-year certificate evaluation report will be completed in 2027.

### **3.7 Condition 7 (Limit of Certificate)**

*The Certificate does not exempt the Cities from compliance with any other requirements of law.*

This condition requires no action by the Cities.

APPENDIX

**Daily Interbasin Transfer Amounts for 2009**





Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer							
	Salisbury 1		Albemarle 1	CMU 1-3		NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).											
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba									
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	CMU Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT <sup>1</sup>	Total Yadkin IBT	Total Catawba IBT	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer	
2/14/2009	0.000	0.300	0.000	0.000	0.162	-0.162	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.162	-2.700%	0.162	8.141%	
2/15/2009	0.000	0.300	0.000	0.000	0.159	-0.159	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.159	-2.650%	0.159	7.990%	
2/16/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
2/17/2009	0.000	0.300	0.000	0.000	0.161	-0.161	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.161	-2.683%	0.161	8.090%	
2/18/2009	0.000	0.300	0.000	0.000	0.151	-0.151	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.151	-2.517%	0.151	7.588%	
2/19/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
2/20/2009	0.000	0.300	0.000	0.000	0.162	-0.162	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.162	-2.700%	0.162	8.141%	
2/21/2009	0.000	0.300	0.000	0.000	0.159	-0.159	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.159	-2.650%	0.159	7.990%	
2/22/2009	0.000	0.300	0.000	0.000	0.171	-0.171	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.171	-2.850%	0.171	8.593%	
2/23/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
2/24/2009	0.000	0.300	0.000	0.000	0.155	-0.155	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.155	-2.583%	0.155	7.789%	
2/25/2009	0.000	0.300	0.000	0.000	0.151	-0.151	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.151	-2.517%	0.151	7.588%	
2/26/2009	0.000	0.300	0.000	0.000	0.152	-0.152	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.152	-2.533%	0.152	7.638%	
2/27/2009	0.000	0.300	0.000	0.000	0.135	-0.135	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.135	-2.250%	0.135	6.784%	
2/28/2009	0.000	0.300	0.000	0.000	0.135	-0.135	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.135	-2.250%	0.135	6.784%	
3/1/2009	0.000	0.300	0.000	0.000	0.125	-0.125	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.125	-2.083%	0.125	6.281%	
3/2/2009	0.000	0.300	0.000	0.000	0.136	-0.136	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.136	-2.267%	0.136	6.834%	
3/3/2009	0.000	0.300	0.000	0.000	0.119	-0.119	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.119	-1.983%	0.119	5.980%	
3/4/2009	0.000	0.300	0.000	0.000	0.209	-0.209	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.209	-3.483%	0.209	10.503%	
3/5/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
3/6/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
3/7/2009	0.000	0.300	0.000	0.000	0.162	-0.162	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.162	-2.700%	0.162	8.141%	
3/8/2009	0.000	0.300	0.000	0.000	0.170	-0.170	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.170	-2.833%	0.170	8.543%	
3/9/2009	0.000	0.300	0.000	0.000	0.162	-0.162	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.162	-2.700%	0.162	8.141%	
3/10/2009	0.000	0.300	0.000	0.000	0.172	-0.172	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.172	-2.867%	0.172	8.643%	
3/11/2009	0.000	0.300	0.000	0.000	0.146	-0.146	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.146	-2.433%	0.146	7.337%	
3/12/2009	0.000	0.300	0.000	0.000	0.147	-0.147	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.147	-2.450%	0.147	7.387%	
3/13/2009	0.000	0.300	0.000	0.000	0.143	-0.143	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.143	-2.383%	0.143	7.186%	
3/14/2009	0.000	0.300	0.000	0.000	0.146	-0.146	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.146	-2.433%	0.146	7.337%	
3/15/2009	0.000	0.300	0.000	0.000	0.134	-0.134	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.134	-2.233%	0.134	6.734%	
3/16/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
3/17/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
3/18/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
3/19/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
3/20/2009	0.000	0.300	0.000	0.000	0.167	-0.167	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.167	-2.783%	0.167	8.392%	
3/21/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
3/22/2009	0.000	0.300	0.000	0.000	0.164	-0.164	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.164	-2.733%	0.164	8.241%	
3/23/2009	0.000	0.300	0.000	0.000	0.195	-0.195	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.195	-3.250%	0.195	9.799%	
3/24/2009	0.000	0.300	0.000	0.000	0.162	-0.162	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.162	-2.700%	0.162	8.141%	
3/25/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
3/26/2009	0.000	0.300	0.000	0.000	0.156	-0.156	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.156	-2.600%	0.156	7.839%	
3/27/2009	0.000	0.300	0.000	0.000	0.132	-0.132	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.132	-2.200%	0.132	6.633%	
3/28/2009	0.000	0.300	0.000	0.000	0.138	-0.138	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.138	-2.300%	0.138	6.935%	
3/29/2009	0.000	0.300	0.000	0.000	0.139	-0.139	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.139	-2.317%	0.139	6.985%	
3/30/2009	0.000	0.300	0.000	0.000	0.145	-0.145	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.145	-2.417%	0.145	7.286%	
3/31/2009	0.000	0.300	0.000	0.000	0.152	-0.152	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.152	-2.533%	0.152	7.638%	
4/1/2009	0.000	0.300	0.000	0.000	0.175	-0.175	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.175	-2.917%	0.175	8.794%	
4/2/2009	0.000	0.300	0.000	0.000	0.174	-0.174	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.174	-2.900%	0.174	8.744%	
4/3/2009	0.000	0.300	0.000	0.000	0.16	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
4/4/2009	0.000	0.300	0.000	0.000	0.158	-0.158	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.158	-2.633%	0.158	7.940%	
4/5/2009	0.000	0.300	0.000	0.000	0.154	-0.154	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.154	-2.567%	0.154	7.739%	
4/6/2009	0.000	0.300	0.000	0.000	0.173	-0.173	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.173	-2.883%	0.173	8.693%	
4/7/2009	0.000	0.300	0.000	0.000	0.258	-0.258	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.258	-4.300%	0.258	12.965%	
4/8/2009	0.000	0.300	0.000	0.000	0.136	-0.136	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.136	-2.267%	0.136	6.834%	
4/9/2009	0.000	0.300	0.000	0.000	0.135	-0.135	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.135	-2.250%	0.135	6.784%	
4/10/2009	0.000	0.300	0.000	0.000	0.132	-0.132	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.132	-2.200%	0.132	6.633%	

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer							
	Salisbury 1		Albemarle 1	CMU 1-3		NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).											
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba									
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	CMU Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT <sup>1</sup>	Total Yadkin IBT	Total Catawba IBT	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer	
4/11/2009	0.000	0.300	0.000	0.000	0.130	-0.130	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.130	-2.167%	0.130	6.533%	
4/12/2009	0.000	0.300	0.000	0.000	0.124	-0.124	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.124	-2.067%	0.124	6.231%	
4/13/2009	0.000	0.300	0.000	0.000	0.136	-0.136	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.136	-2.267%	0.136	6.834%	
4/14/2009	0.000	0.300	0.000	0.000	0.163	-0.163	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.163	-2.717%	0.163	8.191%	
4/15/2009	0.000	0.300	0.000	0.000	0.137	-0.137	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.137	-2.283%	0.137	6.884%	
4/16/2009	0.000	0.300	0.000	0.000	0.127	-0.127	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.127	-2.117%	0.127	6.382%	
4/17/2009	0.000	0.300	0.000	0.000	0.145	-0.145	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.145	-2.417%	0.145	7.286%	
4/18/2009	0.000	0.300	0.000	0.000	0.153	-0.153	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.153	-2.550%	0.153	7.688%	
4/19/2009	0.000	0.300	0.000	0.000	0.157	-0.157	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.157	-2.617%	0.157	7.889%	
4/20/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	
4/21/2009	0.000	0.300	0.000	0.000	0.184	-0.184	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.184	-3.067%	0.184	9.246%	
4/22/2009	0.000	0.300	0.000	0.000	0.179	-0.179	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.179	-2.983%	0.179	8.995%	
4/23/2009	0.000	0.300	0.000	0.000	0.178	-0.178	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.178	-2.967%	0.178	8.945%	
4/24/2009	0.000	0.300	0.000	0.000	0.188	-0.188	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.188	-3.133%	0.188	9.447%	
4/25/2009	0.000	0.300	0.000	0.000	0.189	-0.189	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.189	-3.150%	0.189	9.497%	
4/26/2009	0.000	0.300	0.000	0.000	0.186	-0.186	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.186	-3.100%	0.186	9.347%	
4/27/2009	0.000	0.300	0.000	0.000	0.204	-0.204	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.204	-3.400%	0.204	10.251%	
4/28/2009	0.000	0.300	0.000	0.000	0.187	-0.187	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.187	-3.117%	0.187	9.397%	
4/29/2009	0.000	0.300	0.000	0.000	0.173	-0.173	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.173	-2.883%	0.173	8.693%	
4/30/2009	0.000	0.300	0.000	0.000	0.176	-0.176	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.176	-2.933%	0.176	8.844%	
5/1/2009	0.000	0.300	0.000	0.000	0.175	-0.175	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.175	-2.917%	0.175	8.794%	
5/2/2009	0.000	0.300	0.000	0.000	0.168	-0.168	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.168	-2.800%	0.168	8.442%	
5/3/2009	0.000	0.300	0.000	0.000	0.172	-0.172	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.172	-2.867%	0.172	8.643%	
5/4/2009	0.000	0.300	0.000	0.000	0.146	-0.146	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.146	-2.433%	0.146	7.337%	
5/5/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	
5/6/2009	0.000	0.300	0.000	0.000	0.125	-0.125	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.125	-2.083%	0.125	6.281%	
5/7/2009	0.000	0.300	0.000	0.000	0.177	-0.177	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.177	-2.950%	0.177	8.894%	
5/8/2009	0.000	0.300	0.000	0.000	0.195	-0.195	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.195	-3.250%	0.195	9.799%	
5/9/2009	0.000	0.300	0.000	0.000	0.193	-0.193	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.193	-3.217%	0.193	9.698%	
5/10/2009	0.000	0.300	0.000	0.000	0.190	-0.190	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.190	-3.167%	0.190	9.548%	
5/11/2009	0.000	0.300	0.000	0.000	0.187	-0.187	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.187	-3.117%	0.187	9.397%	
5/12/2009	0.000	0.300	0.000	0.000	0.222	-0.222	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.222	-3.700%	0.222	11.156%	
5/13/2009	0.000	0.300	0.000	0.000	0.185	-0.185	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.185	-3.083%	0.185	9.296%	
5/14/2009	0.000	0.300	0.000	0.000	0.205	-0.205	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.205	-3.417%	0.205	10.302%	
5/15/2009	0.000	0.300	0.000	0.000	0.292	-0.292	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.292	-4.867%	0.292	14.673%	
5/16/2009	0.000	0.300	0.000	0.000	0.178	-0.178	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.178	-2.967%	0.178	8.945%	
5/17/2009	0.000	0.300	0.000	0.000	0.166	-0.166	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.166	-2.767%	0.166	8.342%	
5/18/2009	0.000	0.300	0.000	0.000	0.204	-0.204	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.204	-3.400%	0.204	10.251%	
5/19/2009	0.000	0.300	0.000	0.000	0.224	-0.224	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.224	-3.733%	0.224	11.256%	
5/20/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
5/21/2009	0.000	0.300	0.000	0.000	0.296	-0.296	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.296	-4.933%	0.296	14.874%	
5/22/2009	0.000	0.300	0.000	0.000	0.170	-0.170	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.170	-2.833%	0.170	8.543%	
5/23/2009	0.000	0.300	0.000	0.000	0.162	-0.162	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.162	-2.700%	0.162	8.141%	
5/24/2009	0.000	0.300	0.000	0.000	0.164	-0.164	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.164	-2.733%	0.164	8.241%	
5/25/2009	0.000	0.300	0.000	0.000	0.187	-0.187	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.187	-3.117%	0.187	9.397%	
5/26/2009	0.000	0.300	0.000	0.000	0.194	-0.194	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.194	-3.233%	0.194	9.749%	
5/27/2009	0.000	0.300	0.000	0.000	0.198	-0.198	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.198	-3.300%	0.198	9.950%	
5/28/2009	0.000	0.300	0.000	0.000	0.193	-0.193	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.193	-3.217%	0.193	9.698%	
5/29/2009	0.000	0.300	0.000	0.000	0.205	-0.205	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.205	-3.417%	0.205	10.302%	
5/30/2009	0.000	0.300	0.000	0.000	0.202	-0.202	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.202	-3.367%	0.202	10.151%	
5/31/2009	0.000	0.300	0.000	0.000	0.205	-0.205	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.205	-3.417%	0.205	10.302%	
6/1/2009	0.000	0.300	0.000	0.000	0.194	-0.194	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.194	-3.233%	0.194	9.749%	
6/2/2009	0.000	0.300	0.000	0.000	0.267	-0.267	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.267	-4.450%	0.267	13.417%	
6/3/2009	0.000	0.300	0.000	0.000	0.232	-0.232	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.232	-3.867%	0.232	11.658%	
6/4/2009	0.000	0.300	0.000	0.000	0.172	-0.172	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.172	-2.867%	0.172	8.643%	
6/5/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer							
	Salisbury 1		Albemarle 1	CMU 1-3		NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).											
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba									
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	CMU Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT <sup>1</sup>	Total Yadkin IBT	Total Catawba IBT	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer	
6/6/2009	0.000	0.300	0.000	0.000	0.183	-0.183	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.183	-3.050%	0.183	9.196%	
6/7/2009	0.000	0.300	0.000	0.000	0.182	-0.182	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.182	-3.033%	0.182	9.146%	
6/8/2009	0.000	0.300	0.000	0.000	0.236	-0.236	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.236	-3.933%	0.236	11.859%	
6/9/2009	0.000	0.300	0.000	0.000	0.222	-0.222	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.222	-3.700%	0.222	11.156%	
6/10/2009	0.000	0.300	0.000	0.000	0.217	-0.217	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.217	-3.617%	0.217	10.905%	
6/11/2009	0.000	0.300	0.000	0.000	0.218	-0.218	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.218	-3.633%	0.218	10.955%	
6/12/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	
6/13/2009	0.000	0.300	0.000	0.000	0.176	-0.176	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.176	-2.933%	0.176	8.844%	
6/14/2009	0.000	0.300	0.000	0.000	0.138	-0.138	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.138	-2.300%	0.138	6.935%	
6/15/2009	0.000	0.300	0.000	0.000	0.250	-0.250	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.250	-4.167%	0.250	12.563%	
6/16/2009	0.000	0.300	0.000	0.000	0.200	-0.200	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.200	-3.333%	0.200	10.050%	
6/17/2009	0.000	0.300	0.000	0.000	0.170	-0.170	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.170	-2.833%	0.170	8.543%	
6/18/2009	0.000	0.300	0.000	0.000	0.174	-0.174	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.174	-2.900%	0.174	8.744%	
6/19/2009	0.000	0.300	0.000	0.000	0.211	-0.211	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.211	-3.517%	0.211	10.603%	
6/20/2009	0.000	0.300	0.000	0.000	0.213	-0.213	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.213	-3.550%	0.213	10.704%	
6/21/2009	0.000	0.300	0.000	0.000	0.223	-0.223	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.223	-3.717%	0.223	11.206%	
6/22/2009	0.000	0.300	0.000	0.000	0.260	-0.260	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.260	-4.333%	0.260	13.065%	
6/23/2009	0.000	0.300	0.000	0.000	0.202	-0.202	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.202	-3.367%	0.202	10.151%	
6/24/2009	0.000	0.300	0.000	0.000	0.204	-0.204	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.204	-3.400%	0.204	10.251%	
6/25/2009	0.000	0.300	0.000	0.000	0.236	-0.236	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.236	-3.933%	0.236	11.859%	
6/26/2009	0.000	0.300	0.000	0.000	0.245	-0.245	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.245	-4.083%	0.245	12.312%	
6/27/2009	0.000	0.300	0.000	0.000	0.247	-0.247	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.247	-4.117%	0.247	12.412%	
6/28/2009	0.000	0.300	0.000	0.000	0.187	-0.187	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.187	-3.117%	0.187	9.397%	
6/29/2009	0.000	0.300	0.000	0.000	0.268	-0.268	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.268	-4.467%	0.268	13.467%	
6/30/2009	0.000	0.300	0.000	0.000	0.222	-0.222	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.222	-3.700%	0.222	11.156%	
7/1/2009	0.000	0.300	0.000	0.000	0.226	-0.226	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.226	-3.767%	0.226	11.357%	
7/2/2009	0.000	0.300	0.000	0.000	0.188	-0.188	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.188	-3.133%	0.188	9.447%	
7/3/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
7/4/2009	0.000	0.300	0.000	0.000	0.155	-0.155	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.155	-2.583%	0.155	7.789%	
7/5/2009	0.000	0.300	0.000	0.000	0.154	-0.154	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.154	-2.567%	0.154	7.739%	
7/6/2009	0.000	0.300	0.000	0.000	0.257	-0.257	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.257	-4.283%	0.257	12.915%	
7/7/2009	0.000	0.300	0.000	0.000	0.290	-0.290	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.290	-4.833%	0.290	14.573%	
7/8/2009	0.000	0.300	0.000	0.000	0.233	-0.233	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.233	-3.883%	0.233	11.709%	
7/9/2009	0.000	0.300	0.000	0.000	0.177	-0.177	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.177	-2.950%	0.177	8.894%	
7/10/2009	0.000	0.300	0.000	0.000	0.203	-0.203	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.203	-3.383%	0.203	10.201%	
7/11/2009	0.000	0.300	0.000	0.000	0.203	-0.203	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.203	-3.383%	0.203	10.201%	
7/12/2009	0.000	0.300	0.000	0.000	0.202	-0.202	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.202	-3.367%	0.202	10.151%	
7/13/2009	0.000	0.300	0.000	0.000	0.230	-0.230	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.230	-3.833%	0.230	11.558%	
7/14/2009	0.000	0.300	0.000	0.000	0.238	-0.238	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.238	-3.967%	0.238	11.960%	
7/15/2009	0.000	0.300	0.000	0.000	0.244	-0.244	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.244	-4.067%	0.244	12.261%	
7/16/2009	0.000	0.300	0.000	0.000	0.216	-0.216	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.216	-3.600%	0.216	10.854%	
7/17/2009	0.000	0.300	0.000	0.000	0.240	-0.240	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.240	-4.000%	0.240	12.060%	
7/18/2009	0.000	0.300	0.000	0.000	0.215	-0.215	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.215	-3.583%	0.215	10.804%	
7/19/2009	0.000	0.300	0.000	0.000	0.210	-0.210	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.210	-3.500%	0.210	10.553%	
7/20/2009	0.000	0.300	0.000	0.000	0.235	-0.235	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.235	-3.917%	0.235	11.809%	
7/21/2009	0.000	0.300	0.000	0.000	0.278	-0.278	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.278	-4.633%	0.278	13.970%	
7/22/2009	0.000	0.300	0.000	0.000	0.211	-0.211	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.211	-3.517%	0.211	10.603%	
7/23/2009	0.000	0.300	0.000	0.000	0.228	-0.228	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.228	-3.800%	0.228	11.457%	
7/24/2009	0.000	0.300	0.000	0.000	0.222	-0.222	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.222	-3.700%	0.222	11.156%	
7/25/2009	0.000	0.300	0.000	0.000	0.213	-0.213	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.213	-3.550%	0.213	10.704%	
7/26/2009	0.000	0.300	0.000	0.000	0.209	-0.209	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.209	-3.483%	0.209	10.503%	
7/27/2009	0.000	0.300	0.000	0.000	0.215	-0.215	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.215	-3.583%	0.215	10.804%	
7/28/2009	0.000	0.300	0.000	0.000	0.147	-0.147	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.147	-2.450%	0.147	7.387%	
7/29/2009	0.000	0.300	0.000	0.000	0.168	-0.168	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.168	-2.800%	0.168	8.442%	
7/30/2009	0.000	0.300	0.000	0.000	0.128	-0.128	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.128	-2.133%	0.128	6.432%	
7/31/2009	0.000	0.300	0.000	0.000	0.140	-0.140	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.140	-2.333%	0.140	7.035%	

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer							
	Salisbury 1		Albemarle 1	CMU 1-3		NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).											
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba									
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	CMU Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT <sup>1</sup>	Total Yadkin IBT	Total Catawba IBT	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer	
8/1/2009	0.000	0.300	0.000	0.000	0.130	-0.130	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.130	-2.167%	0.130	6.533%	
8/2/2009	0.000	0.300	0.000	0.000	0.126	-0.126	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.126	-2.100%	0.126	6.332%	
8/3/2009	0.000	0.300	0.000	0.000	0.196	-0.196	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.196	-3.267%	0.196	9.849%	
8/4/2009	0.000	0.300	0.000	0.000	0.245	-0.245	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.245	-4.083%	0.245	12.312%	
8/5/2009	0.000	0.300	0.000	0.000	0.174	-0.174	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.174	-2.900%	0.174	8.744%	
8/6/2009	0.000	0.300	0.000	0.000	0.207	-0.207	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.207	-3.450%	0.207	10.402%	
8/7/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
8/8/2009	0.000	0.300	0.000	0.000	0.243	-0.243	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.243	-4.050%	0.243	12.211%	
8/9/2009	0.000	0.300	0.000	0.000	0.183	-0.183	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.183	-3.050%	0.183	9.196%	
8/10/2009	0.000	0.300	0.000	0.000	0.253	-0.253	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.253	-4.217%	0.253	12.714%	
8/11/2009	0.000	0.300	0.000	0.000	0.148	-0.148	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.148	-2.467%	0.148	7.437%	
8/12/2009	0.000	0.300	0.000	0.000	0.223	-0.223	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.223	-3.717%	0.223	11.206%	
8/13/2009	0.000	0.300	0.000	0.000	0.155	-0.155	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.155	-2.583%	0.155	7.789%	
8/14/2009	0.000	0.300	0.000	0.000	0.240	-0.240	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.240	-4.000%	0.240	12.060%	
8/15/2009	0.000	0.300	0.000	0.000	0.225	-0.225	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.225	-3.750%	0.225	11.307%	
8/16/2009	0.000	0.300	0.000	0.000	0.237	-0.237	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.237	-3.950%	0.237	11.910%	
8/17/2009	0.000	0.300	0.000	0.000	0.244	-0.244	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.244	-4.067%	0.244	12.261%	
8/18/2009	0.000	0.300	0.000	0.000	0.240	-0.240	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.240	-4.000%	0.240	12.060%	
8/19/2009	0.000	0.300	0.000	0.000	0.235	-0.235	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.235	-3.917%	0.235	11.809%	
8/20/2009	0.000	0.300	0.000	0.000	0.232	-0.232	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.232	-3.867%	0.232	11.658%	
8/21/2009	0.000	0.300	0.000	0.000	0.225	-0.225	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.225	-3.750%	0.225	11.307%	
8/22/2009	0.000	0.300	0.000	0.000	0.213	-0.213	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.213	-3.550%	0.213	10.704%	
8/23/2009	0.000	0.300	0.000	0.000	0.183	-0.183	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.183	-3.050%	0.183	9.196%	
8/24/2009	0.000	0.300	0.000	0.000	0.256	-0.256	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.256	-4.267%	0.256	12.864%	
8/25/2009	0.000	0.300	0.000	0.000	0.206	-0.206	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.206	-3.433%	0.206	10.352%	
8/26/2009	0.000	0.300	0.000	0.000	0.245	-0.245	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.245	-4.083%	0.245	12.312%	
8/27/2009	0.000	0.300	0.000	0.000	0.226	-0.226	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.226	-3.767%	0.226	11.357%	
8/28/2009	0.000	0.300	0.000	0.000	0.218	-0.218	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.218	-3.633%	0.218	10.955%	
8/29/2009	0.000	0.300	0.000	0.000	0.198	-0.198	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.198	-3.300%	0.198	9.950%	
8/30/2009	0.000	0.300	0.000	0.000	0.191	-0.191	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.191	-3.183%	0.191	9.598%	
8/31/2009	0.000	0.300	0.000	0.000	0.191	-0.191	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.191	-3.183%	0.191	9.598%	
9/1/2009	0.000	0.300	0.000	0.000	0.191	-0.191	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.191	-3.183%	0.191	9.598%	
9/2/2009	0.000	0.300	0.000	0.000	0.200	-0.200	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.200	-3.333%	0.200	10.050%	
9/3/2009	0.000	0.300	0.000	0.000	0.185	-0.185	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.185	-3.083%	0.185	9.296%	
9/4/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	
9/5/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
9/6/2009	0.000	0.300	0.000	0.000	0.158	-0.158	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.158	-2.633%	0.158	7.940%	
9/7/2009	0.000	0.300	0.000	0.000	0.299	-0.299	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.299	-4.983%	0.299	15.025%	
9/8/2009	0.000	0.300	0.000	0.000	0.217	-0.217	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.217	-3.617%	0.217	10.905%	
9/9/2009	0.000	0.300	0.000	0.000	0.186	-0.186	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.186	-3.100%	0.186	9.347%	
9/10/2009	0.000	0.300	0.000	0.000	0.188	-0.188	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.188	-3.133%	0.188	9.447%	
9/11/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	
9/12/2009	0.000	0.300	0.000	0.000	0.175	-0.175	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.175	-2.917%	0.175	8.794%	
9/13/2009	0.000	0.300	0.000	0.000	0.169	-0.169	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.169	-2.817%	0.169	8.492%	
9/14/2009	0.000	0.300	0.000	0.000	0.195	-0.195	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.195	-3.250%	0.195	9.799%	
9/15/2009	0.000	0.300	0.000	0.000	0.404	-0.404	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.404	-6.733%	0.404	20.302%	
9/16/2009	0.000	0.300	0.000	0.000	0.217	-0.217	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.217	-3.617%	0.217	10.905%	
9/17/2009	0.000	0.300	0.000	0.000	0.165	-0.165	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.165	-2.750%	0.165	8.291%	
9/18/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
9/19/2009	0.000	0.300	0.000	0.000	0.163	-0.163	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.163	-2.717%	0.163	8.191%	
9/20/2009	0.000	0.300	0.000	0.000	0.166	-0.166	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.166	-2.767%	0.166	8.342%	
9/21/2009	0.000	0.300	0.000	0.000	0.216	-0.216	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.216	-3.600%	0.216	10.854%	
9/22/2009	0.000	0.300	0.000	0.000	0.223	-0.223	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.223	-3.717%	0.223	11.206%	
9/23/2009	0.000	0.300	0.000	0.000	0.170	-0.170	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.170	-2.833%	0.170	8.543%	
9/24/2009	0.000	0.300	0.000	0.000	0.261	-0.261	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.261	-4.350%	0.261	13.116%	
9/25/2009	0.000	0.300	0.000	0.000	0.166	-0.166	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.166	-2.767%	0.166	8.342%	

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer							
	Salisbury 1		Albemarle 1	CMU 1-3		NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).											
	South Yadkin	Yadkin	Yadkin	Catawba	South Yadkin	South Yadkin	Yadkin	Catawba									
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	CMU Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT <sup>1</sup>	Total Yadkin IBT	Total Catawba IBT	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer	
9/26/2009	0.000	0.300	0.000	0.000	0.151	-0.151	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.151	-2.517%	0.151	7.588%	
9/27/2009	0.000	0.300	0.000	0.000	0.161	-0.161	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.161	-2.683%	0.161	8.090%	
9/28/2009	0.000	0.300	0.000	0.000	0.182	-0.182	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.182	-3.033%	0.182	9.146%	
9/29/2009	0.000	0.300	0.000	0.000	0.221	-0.221	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.221	-3.683%	0.221	11.106%	
9/30/2009	0.000	0.300	0.000	0.000	0.175	-0.175	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.175	-2.917%	0.175	8.794%	
10/1/2009	0.000	0.300	0.000	0.000	0.177	-0.177	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.177	-2.950%	0.177	8.894%	
10/2/2009	0.000	0.300	0.000	0.000	0.180	-0.180	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.180	-3.000%	0.180	9.045%	
10/3/2009	0.000	0.300	0.000	0.000	0.175	-0.175	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.175	-2.917%	0.175	8.794%	
10/4/2009	0.000	0.300	0.000	0.000	0.169	-0.169	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.169	-2.817%	0.169	8.492%	
10/5/2009	0.000	0.300	0.000	0.000	0.139	-0.139	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.139	-2.317%	0.139	6.985%	
10/6/2009	0.000	0.300	0.000	0.000	0.140	-0.140	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.140	-2.333%	0.140	7.035%	
10/7/2009	0.000	0.300	0.000	0.000	0.164	-0.164	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.164	-2.733%	0.164	8.241%	
10/8/2009	0.000	0.300	0.000	0.000	0.199	-0.199	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.199	-3.317%	0.199	10.000%	
10/9/2009	0.000	0.300	0.000	0.000	0.170	-0.170	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.170	-2.833%	0.170	8.543%	
10/10/2009	0.000	0.300	0.000	0.000	0.160	-0.160	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.160	-2.667%	0.160	8.040%	
10/11/2009	0.000	0.300	0.000	0.000	0.157	-0.157	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.157	-2.617%	0.157	7.889%	
10/12/2009	0.000	0.300	0.000	0.000	0.312	-0.312	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.312	-5.200%	0.312	15.678%	
10/13/2009	2.000	0.300	0.000	0.000	0.172	1.828	0.300	0.000	0.000	0.000%	0.300	3.000%	1.828	30.467%	0.172	8.643%	
10/14/2009	5.800	0.300	0.000	0.000	0.176	5.624	0.300	0.000	0.000	0.000%	0.300	3.000%	5.624	93.733%	0.176	8.844%	
10/15/2009	5.800	0.300	0.000	0.000	0.175	5.625	0.300	0.000	0.000	0.000%	0.300	3.000%	5.625	93.750%	0.175	8.794%	
10/16/2009	5.800	0.300	0.000	0.000	0.160	5.640	0.300	0.000	0.000	0.000%	0.300	3.000%	5.640	94.000%	0.160	8.040%	
10/17/2009	5.800	0.300	0.000	0.000	0.169	5.631	0.300	0.000	0.000	0.000%	0.300	3.000%	5.631	93.850%	0.169	8.492%	
10/18/2009	5.800	0.300	0.000	0.000	0.140	5.660	0.300	0.000	0.000	0.000%	0.300	3.000%	5.660	94.333%	0.140	7.035%	
10/19/2009	5.800	0.300	0.000	0.000	0.176	5.624	0.300	0.000	0.000	0.000%	0.300	3.000%	5.624	93.733%	0.176	8.844%	
10/20/2009	5.800	0.300	0.000	0.000	0.172	5.628	0.300	0.000	0.000	0.000%	0.300	3.000%	5.628	93.800%	0.172	8.643%	
10/21/2009	5.800	0.300	0.000	0.000	0.189	5.611	0.300	0.000	0.000	0.000%	0.300	3.000%	5.611	93.517%	0.189	9.497%	
10/22/2009	5.800	0.300	0.000	0.000	0.191	5.609	0.300	0.000	0.000	0.000%	0.300	3.000%	5.609	93.483%	0.191	9.598%	
10/23/2009	5.800	0.300	0.000	0.000	0.170	5.630	0.300	0.000	0.000	0.000%	0.300	3.000%	5.630	93.833%	0.170	8.543%	
10/24/2009	5.800	0.300	0.000	0.000	0.173	5.627	0.300	0.000	0.000	0.000%	0.300	3.000%	5.627	93.783%	0.173	8.693%	
10/25/2009	5.800	0.300	0.000	0.000	0.153	5.647	0.300	0.000	0.000	0.000%	0.300	3.000%	5.647	94.117%	0.153	7.688%	
10/26/2009	5.800	0.000	0.000	0.000	0.180	5.620	0.000	0.000	0.000	0.000%	0.000	0.000%	5.620	93.667%	0.180	9.045%	
10/27/2009	5.800	0.000	0.000	0.000	0.180	5.620	0.000	0.000	0.000	0.000%	0.000	0.000%	5.620	93.667%	0.180	9.045%	
10/28/2009	5.800	0.000	0.000	0.000	0.174	5.626	0.000	0.000	0.000	0.000%	0.000	0.000%	5.626	93.767%	0.174	8.744%	
10/29/2009	5.800	0.000	0.000	0.000	0.127	5.673	0.000	0.000	0.000	0.000%	0.000	0.000%	5.673	94.550%	0.127	6.382%	
10/30/2009	5.800	0.000	0.000	0.000	0.148	5.652	0.000	0.000	0.000	0.000%	0.000	0.000%	5.652	94.200%	0.148	7.437%	
10/31/2009	5.800	0.000	0.000	0.000	0.140	5.660	0.000	0.000	0.000	0.000%	0.000	0.000%	5.660	94.333%	0.140	7.035%	
11/1/2009	5.800	0.000	0.000	0.000	0.147	5.653	0.000	0.000	0.000	0.000%	0.000	0.000%	5.653	94.217%	0.147	7.387%	
11/2/2009	5.800	0.000	0.000	0.000	0.177	5.623	0.000	0.000	0.000	0.000%	0.000	0.000%	5.623	93.717%	0.177	8.894%	
11/3/2009	5.800	0.000	0.000	0.000	0.169	5.631	0.000	0.000	0.000	0.000%	0.000	0.000%	5.631	93.850%	0.169	8.492%	
11/4/2009	5.800	0.000	0.000	0.000	0.175	5.625	0.000	0.000	0.000	0.000%	0.000	0.000%	5.625	93.750%	0.175	8.794%	
11/5/2009	5.800	0.000	0.000	0.000	0.176	5.624	0.000	0.000	0.000	0.000%	0.000	0.000%	5.624	93.733%	0.176	8.844%	
11/6/2009	5.800	0.000	0.000	0.000	0.160	5.640	0.000	0.000	0.000	0.000%	0.000	0.000%	5.640	94.000%	0.160	8.040%	
11/7/2009	5.800	0.000	0.000	0.000	0.162	5.638	0.000	0.000	0.000	0.000%	0.000	0.000%	5.638	93.967%	0.162	8.141%	
11/8/2009	5.800	0.000	0.000	0.000	0.162	5.638	0.000	0.000	0.000	0.000%	0.000	0.000%	5.638	93.967%	0.162	8.141%	
11/9/2009	5.800	0.000	0.000	0.000	0.188	5.612	0.000	0.000	0.000	0.000%	0.000	0.000%	5.612	93.533%	0.188	9.447%	
11/10/2009	5.800	0.000	0.000	0.000	0.138	5.662	0.000	0.000	0.000	0.000%	0.000	0.000%	5.662	94.367%	0.138	6.935%	
11/11/2009	1.000	0.000	0.000	0.000	0.157	0.843	0.000	0.000	0.000	0.000%	0.000	0.000%	0.843	14.050%	0.157	7.889%	
11/12/2009	0.000	0.000	0.000	0.000	0.178	-0.178	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.178	-2.967%	0.178	8.945%	
11/13/2009	0.000	0.000	0.000	0.000	0.150	-0.150	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.150	-2.500%	0.150	7.538%	
11/14/2009	0.000	0.000	0.000	0.000	0.160	-0.160	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.160	-2.667%	0.160	8.040%	
11/15/2009	0.000	0.000	0.000	0.000	0.159	-0.159	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.159	-2.650%	0.159	7.990%	
11/16/2009	0.000	0.000	0.000	0.000	0.137	-0.137	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.137	-2.283%	0.137	6.884%	
11/17/2009	0.000	0.000	0.000	0.000	0.178	-0.178	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.178	-2.967%	0.178	8.945%	
11/18/2009	0.000	0.000	0.000	0.000	0.187	-0.187	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.187	-3.117%	0.187	9.397%	
11/19/2009	0.000	0.000	0.000	0.000	0.155	-0.155	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.155	-2.583%	0.155	7.789%	
11/20/2009	0.000	0.000	0.000	0.000	0.150	-0.150	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.150	-2.500%	0.150	7.538%	

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
	South Yadkin	Salisbury 1 Yadkin	Albemarle 1 Yadkin	CMU 1-3 Catawba	South Yadkin	South Yadkin	Yadkin	Catawba	Catawba	% of Permitted MDD Transfer	Yadkin	% of Permitted MDD Transfer	Grandfathered IBT from Second Creek - South Yadkin River Basin	% of Permitted MDD Transfer	IBT from Yadkin to South Yadkin River Basin	% of Permitted MDD Transfer
DATE	Raw Water to Kannapolis Lake from Second Creek	Salisbury Finished water Interconnection with Kannapolis	Albemarle Finished water Interconnection with Concord	CMU Finished water Interconnections with Concord	Kannapolis Finished water sales to Landis	Total South Yadkin IBT <sup>1</sup>	Total Yadkin IBT	Total Catawba IBT								
11/21/2009	0.000	0.000	0.000	0.000	0.173	-0.173	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.173	-2.883%	0.173	8.693%
11/22/2009	0.000	0.000	0.000	0.000	0.169	-0.169	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.169	-2.817%	0.169	8.492%
11/23/2009	0.000	0.000	0.000	0.000	0.156	-0.156	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.156	-2.600%	0.156	7.839%
11/24/2009	0.000	0.000	0.000	0.000	0.186	-0.186	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.186	-3.100%	0.186	9.347%
11/25/2009	0.000	0.000	0.000	0.000	0.160	-0.160	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.160	-2.667%	0.160	8.040%
11/26/2009	0.000	0.000	0.000	0.000	0.150	-0.150	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.150	-2.500%	0.150	7.538%
11/27/2009	0.000	0.000	0.000	0.000	0.136	-0.136	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.136	-2.267%	0.136	6.834%
11/28/2009	0.000	0.000	0.000	0.000	0.148	-0.148	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.148	-2.467%	0.148	7.437%
11/29/2009	0.000	0.000	0.000	0.000	0.144	-0.144	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.144	-2.400%	0.144	7.236%
11/30/2009	0.000	0.000	0.000	0.000	0.214	-0.214	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.214	-3.567%	0.214	10.754%
12/1/2009	0.000	0.000	0.000	0.000	0.152	-0.152	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.152	-2.533%	0.152	7.638%
12/2/2009	0.000	0.000	0.000	0.000	0.137	-0.137	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.137	-2.283%	0.137	6.884%
12/3/2009	0.000	0.000	0.000	0.000	0.223	-0.223	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.223	-3.717%	0.223	11.206%
12/4/2009	0.000	0.000	0.000	0.000	0.205	-0.205	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.205	-3.417%	0.205	10.302%
12/5/2009	0.000	0.000	0.000	0.000	0.198	-0.198	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.198	-3.300%	0.198	9.950%
12/6/2009	0.000	0.000	0.000	0.000	0.195	-0.195	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.195	-3.250%	0.195	9.799%
12/7/2009	0.000	0.000	0.000	0.000	0.199	-0.199	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.199	-3.317%	0.199	10.000%
12/8/2009	0.000	0.000	0.000	0.000	0.192	-0.192	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.192	-3.200%	0.192	9.648%
12/9/2009	0.000	0.000	0.000	0.000	0.184	-0.184	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.184	-3.067%	0.184	9.246%
12/10/2009	0.000	0.000	0.000	0.000	0.168	-0.168	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.168	-2.800%	0.168	8.442%
12/11/2009	0.000	0.000	0.000	0.000	0.170	-0.170	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.170	-2.833%	0.170	8.543%
12/12/2009	0.000	0.000	0.000	0.000	0.155	-0.155	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.155	-2.583%	0.155	7.789%
12/13/2009	0.000	0.000	0.000	0.000	0.182	-0.182	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.182	-3.033%	0.182	9.146%
12/14/2009	0.000	0.000	0.000	0.000	0.179	-0.179	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.179	-2.983%	0.179	8.995%
12/15/2009	0.000	0.000	0.000	0.000	0.197	-0.197	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.197	-3.283%	0.197	9.899%
12/16/2009	0.000	0.000	0.000	0.000	0.210	0.163	0.000	0.000	0.000	0.000%	0.000	0.000%	0.163	2.717%	0.210	10.553%
12/17/2009	0.000	0.000	0.000	0.000	0.197	0.166	0.000	0.000	0.000	0.000%	0.000	0.000%	0.166	2.767%	0.197	9.899%
12/18/2009	0.000	0.000	0.000	0.000	0.177	0.163	0.000	0.000	0.000	0.000%	0.000	0.000%	0.163	2.717%	0.177	8.894%
12/19/2009	0.000	0.000	0.000	0.000	0.180	0.151	0.000	0.000	0.000	0.000%	0.000	0.000%	0.151	2.517%	0.180	9.045%
12/20/2009	0.000	0.000	0.000	0.000	0.176	-0.176	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.176	-2.933%	0.176	8.844%
12/21/2009	0.000	0.000	0.000	0.000	0.212	-0.212	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.212	-3.533%	0.212	10.653%
12/22/2009	0.000	0.000	0.000	0.000	0.177	-0.177	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.177	-2.950%	0.177	8.894%
12/23/2009	0.000	0.000	0.000	0.000	0.161	-0.161	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.161	-2.683%	0.161	8.090%
12/24/2009	0.000	0.000	0.000	0.000	0.163	-0.163	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.163	-2.717%	0.163	8.191%
12/25/2009	0.000	0.000	0.000	0.000	0.157	-0.157	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.157	-2.617%	0.157	7.889%
12/26/2009	0.000	0.000	0.000	0.000	0.147	-0.147	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.147	-2.450%	0.147	7.387%
12/27/2009	0.000	0.000	0.000	0.000	0.129	-0.129	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.129	-2.150%	0.129	6.482%
12/28/2009	0.000	0.000	0.000	0.000	0.195	-0.195	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.195	-3.250%	0.195	9.799%
12/29/2009	0.000	0.000	0.000	0.000	0.215	-0.215	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.215	-3.583%	0.215	10.804%
12/30/2009	0.000	0.000	0.000	0.000	0.158	-0.158	0.000	0.000	0.000	0.000%	0.000	0.000%	-0.158	-2.633%	0.158	7.940%
12/31/2009	0.000	0.300	0.000	0.000	0.140	-0.140	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.140	-2.333%	0.140	7.035%
<b>AVG 2009</b>	0.453	0.246	0.000	0.000	0.183	0.274	0.246	0.000	0.000	0.000%	0.246	2.458%	0.274	4.565%	0.183	9.201%
<b>MAX 2009</b>	5.800	0.300	0.000	0.000	0.404	5.673	0.300	0.000	0.000	0.000%	0.300	3.000%	5.673	94.550%	0.404	20.302%

<sup>1</sup> Transfers from Second Creek to Kannapolis Lake (South Yadkin Basin to Rocky River Basin) shall not exceed 6 MGD, positive numbers represent this direction of transfer as dominate  
Transfers from Kannapolis (via purchase from Salisbury) to Landis (Yadkin Basin to South Yadkin Basin) shall not exceed 2 MGD; negative numbers represent this direction of transfer as the dominate