2012 Annual Report on Interbasin Transfers for The Cities of Concord and Kannapolis

Prepared for and by:

City of Concord

City of Kannapolis

Submitted to:

North Carolina Division of Water Resources

January 2012

Executive Summary

The 2012 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 through 2011 and are available on the North Carolina Division of Water Resources (NCDWR) website.

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" and "Certificate Holders" are used interchangeably herein.

In 2012, the Certificate Holders complied with all conditions of their IBT Certificate. The Cities of Concord and Kannapolis purchased no water from Charlotte-Mecklenburg Utilities (CMU) from the Catawba River Basin during 2012. The maximum daily transfer from the Yadkin River Basin was 0.3 mgd.

In 2012, the City of Kannapolis pumped water from Second Creek to Kannapolis Lake under its South Yadkin River Basin grandfathered IBT. Water sales to Landis averaging 0.20 mgd resulted in an IBT to Second Creek (South Yadkin River Basin) during 2012. The maximum day transfer to the South Yadkin River Basin was 0.45 mgd. IBT amounts for 2012 are provided in Table ES-1. The 2012 IBT daily transfers for Concord and Kannapolis are shown in Figure ES-1.

In addition, a settlement was reached in 2010 on a lawsuit filed by the Catawba River Foundation, Inc. and the Protect the Catawba Coalition. While this does not change the IBT Certificate or required reporting in any way, the Cities did agree to some operational conditions regarding the Catawba River Basin during times of drought.

Table ES-1

2012 IBT Average Annual & Maximum Day Demands for Concord and Kannapolis Service Areas

	Catawba River Basin			Yadkin River Basin			Second Creek[d] (South Yadkin River Basin)		
Year	Water Purchase (mgd)[a]		IBT as % of Certificate[b]	Water Purchase (mgd)		IBT as % of Certificate[c,d]	Water Transfer (mgd)		IBT as % of Grand-fathered amount
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2012	0.00	0.00	0.0%	0.30	0.30	3.0%	0.199	0.454	7.6%

[a] Concord no longer purchases water from CMU for a residential neighborhood.

[b] Maximum Day IBT of 10 mgd from the Catawba River Basin.

[c] Maximum Day IBT of 10 mgd from the Yadkin River Basin.

[d] 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.

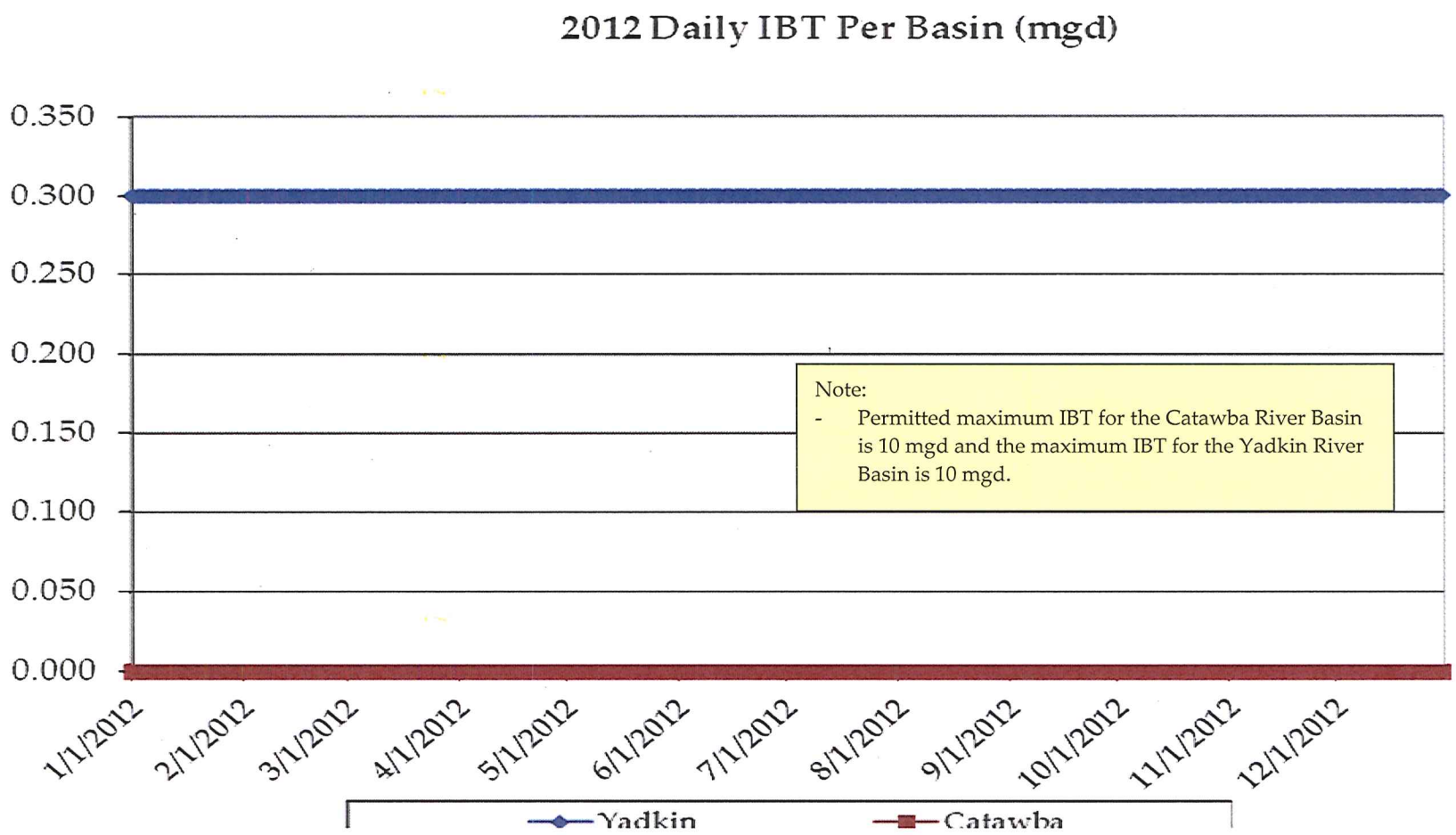


Figure ES-1
2012 Daily Interbasin Transfers by Basin

Table of Contents

Executive Summary i
1.0 **Introduction** 1
2.0 **IBT Monitoring** 3
2.1 Service Area Water Demand 3
2.2 Interbasin Transfers 3
3.0 **Other Related Information** 5
4.0 **Compliance with Certificate Conditions** 6
4.1 Condition 1 (Federal Energy Regulatory Commission [FERC] Licensure) 6
4.2 Condition 2 (Drought Management Plan) 6
4.3 Condition 3 (Disaggregation of IBT Amount) 9
4.4 Condition 4 (Compliance and Monitoring Plan) 9
4.5 Condition 5 (EMC Consideration of Impacts) 9
4.6 Condition 6 (20-Year Certificate Evaluation) 9
4.7 Condition 7 (Limit of Certificate) 10

Appendix
Daily Interbasin Transfer Amounts for 2012

Acronyms and Abbreviations

CMU	Charlotte-Mecklenburg Utilities
DMAC	Drought Management Advisory Council
EMC	Environmental Management Commission
FERC	Federal Energy Regulatory Commission
IBT	Interbasin Transfer
LIP	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

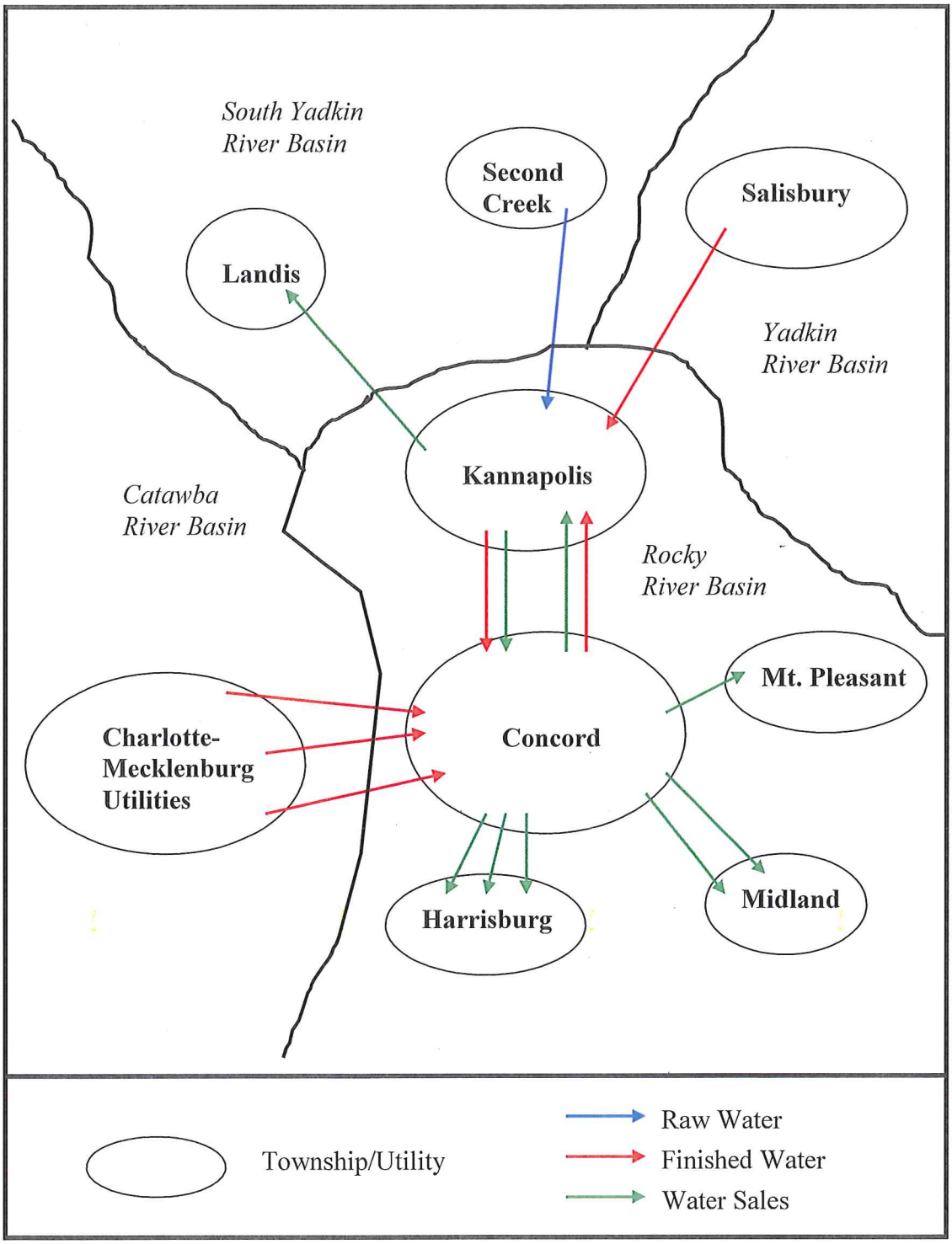
The Cities of Concord and Kannapolis (Cities) received an interbasin transfer (IBT) Certificate, which was originally approved on January 10, 2007, and signed into effect on January 25, 2007. The North Carolina Environmental Management Commission (EMC) has authorized transfers of up to 10 million gallons 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 through 2011 and are available on the North Carolina Division of Water Resources (NCDWR) website.

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; the Cities are also in the process of constructing an interconnection with the City of Albemarle, which is located in the Yadkin River Basin. Concord no longer purchases finished water from CMU for a small residential area.

The terms "Cities" and "Certificate Holders" are used interchangeably herein. Figure 1-1 illustrates the ability to transfer water 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 2012 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 2012 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 2012, finished water production averaged 12.71 mgd, purchased IBT finished water averaged 0.03 mgd for the Yadkin River Basin and 0.20 mgd for Second Creek. The City of Concord purchased no water from CMU, whose water source is from the Catawba River Basin, during 2012. The combined 2012 annual average water use for the Certificate Holders was 13.21 mgd.

Table 2-1
2012 Water Production or Purchases by River Basin

2012					
		Annual Average Purchased Water (mgd)			
Certificate Holders	Annual Average Finished Water Produced[a] (mgd)	Catawba River Basin[b]	Yadkin River Basin	Second Creek	Annual Average Combined Water Use (mgd)
Concord & Kannapolis	12.71	0.00	0.30	0.20	13.21

[a] Water produced within Rocky River Basin; may include water from Second Creek transferred directly into Kannapolis Lake.
[b] Concord no longer purchases water from CMU for a residential neighborhood.

2.2 - Interbasin Transfers

Daily IBT amounts for the Certificate Holders are included in the Appendix. Data are provided for the period January 1, 2012 through December 31, 2012. ***There was no IBT from the Catawba River Basin during the calendar year 2012. The maximum day IBT from the Yadkin River Basin during the calendar year 2008 was 0.3 mgd, which was consistent daily throughout 2012 due to contract agreements between Salisbury and Kannapolis.*** 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. There were transfers of raw water from Second Creek

with a maximum day IBT of 0.454 mgd, which represents 7.6% of the permitted maximum day, 6 mgd IBT from the South Yadkin River Basin under the grandfathered Certificate. Table 2-2 shows the IBT use for the Certificate Holders and the percentage of use from the Catawba and Yadkin River Basins.

Table 2-2

2012 IBT Average Annual & Maximum Day Demands for Concord and Kannapolis Service Areas

	Catawba River Basin			Yadkin River Basin			Second Creek[d] (South Yadkin River Basin)		
Year	Water Purchase (mgd)[a]		IBT as % of Certificate[b]	Water Purchase (mgd)		IBT as % of Certificate[c,d]	Water Transfer (mgd)		IBT as % of Grand-fathered amount
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2012	0.00	0.00	0.0%	0.30	0.30	3.0%	0.199	0.454	7.6%

[a] Concord no longer purchases water from CMU for a residential neighborhood.

[b] Maximum Day IBT of 10 mgd from the Catawba River Basin.

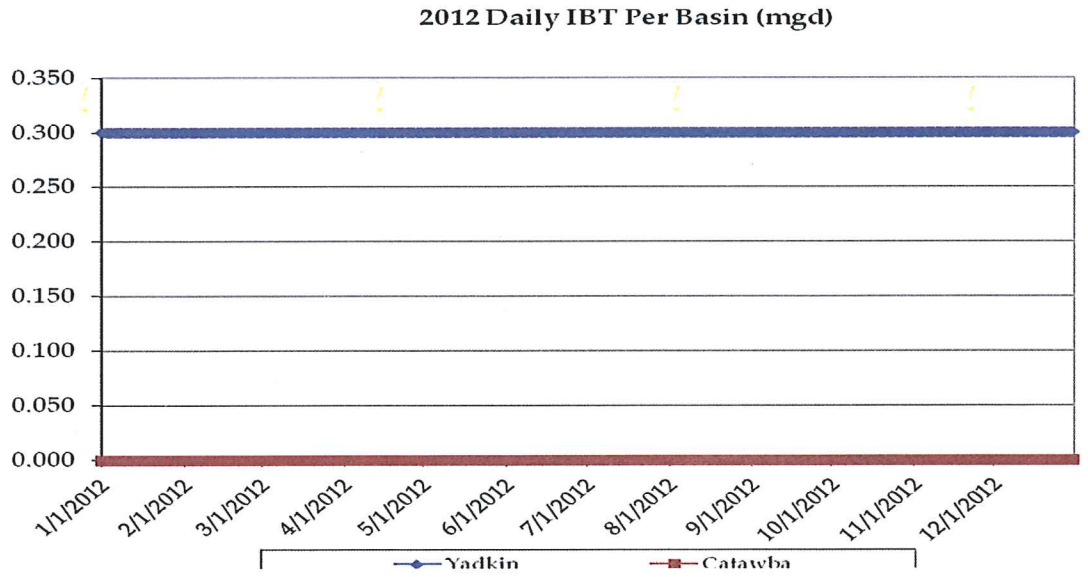
[c] Maximum Day IBT of 10 mgd from the Yadkin River Basin.

[d] 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.

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

Figure 2-1

2012 Daily Interbasin Transfers by Basin



3.0 - Other Related Information

In 2010, a settlement was reached in a lawsuit filed by the Catawba River Foundation, Inc. and the Protect the Catawba Coalition. While this does not affect the IBT Certificate, its conditions, or required reporting in any way, the Cities did agree to some operational conditions regarding the Catawba River Basin during times of drought.

Until July 1, 2015, the Cities have agreed to transfer no more than 3.0 mgd (maximum day) from the Catawba River Basin. Thereafter, the Cities must first transfer 5.0 mgd from the Yadkin River Basin before exceeding an IBT of 3.0 mgd from the Catawba River Basin.

During designated droughts beyond July 1, 2015, following either Low Inflow Protocol (LIP) or Drought Management Advisory Council (DMAC) Drought Stage declaration, the Cities have agreed to limit the Catawba River Basin IBT so that it corresponds to water use reduction goals. A summary of this agreement is presented in Table 3-1.

Table 3-1
Catawba River Basin IBT during Drought Conditions

LIP Stage or DMAC Drought Stage	Maximum Day Transfer (mgd)
0 / Abnormally Dry	10.0
1 / Moderate Drought	9.0
2 / Severe Drought	8.5
3 / Extreme Drought	7.0
4 / Exceptional Drought	6.0

4.0 - 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 2010 actions for each condition.

4.1 - 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.

4.2 - 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.

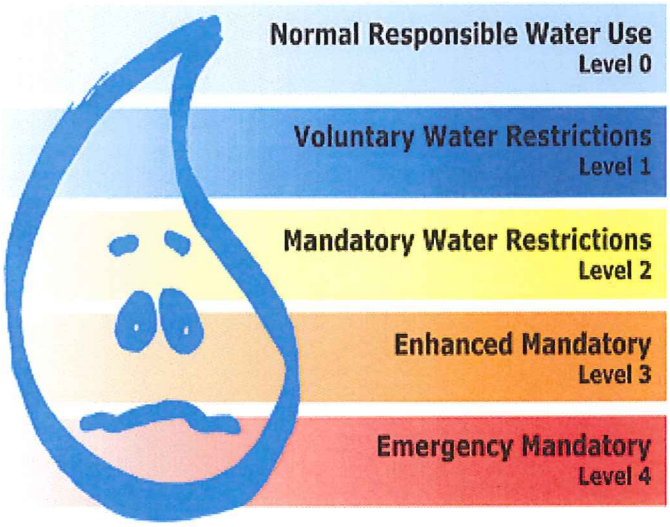
The Cities submitted the Drought Management Plan on July 31, 2007; comments were received on November 11, 2007, and the revised plan was submitted on January 8, 2008. The Drought Management Plan was incorporated into an updated Water Shortage Response Plan (WSRP) in 2010. The WSRP, prepared as a joint document for the Certificate Holders, is available on the NCDWR website at the following web address:
http://www.ncwater.org/Water_Supply_Planning/Water_Shortage_Response_Plans/plan

Table 4-1 shows Normal and Drought Stages 0-4, the names of each, the date the Catawba River Basin managers implemented Draft LIP actions in response to drought monitoring, the Yadkin-Pee Dee River Basin drought monitor, and the associated actions taken by the Cities.

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. In April 2009, the Cities adopted a restricted irrigation schedule which allows irrigation on Tuesdays, Thursdays, and Saturdays only. This modified Level 0, Normal Responsible Water Use, was in place from January 1 through December 31 of 2012 (Figure 4-1). Other outdoor water use conservation

measures are encouraged but not required. Both the Catawba and Yadkin River Basins began the year with Stage 0, Abnormally Dry, water levels. In the spring, rainfall decreased and the Yadkin-Pee Dee River Basin moved to Stage 1, Moderate Drought, but rainfall increased in the summer and the basin moved back to Abnormally Dry and Normal for periods. In the late summer rainfall decreased and the Yadkin-Pee Dee River Basin went from Normal to Abnormally Dry to Moderate Drought and ultimately finished the year in Stage 2, Severe Drought. The Catawba River Basin stayed in Stage 0, Abnormally Dry, for the entirety of the year.

During the year, the Cities drought stages follow the drought stages of the Catawba-Wateree Water Management Group; hence the Cities stayed in Normal Responsible Water Use Level.



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

Table 4-1
Concord and Kannapolis 2012 Normal and Drought Stages

		2012 Period of Drought			
Drought Stage	**Drought Monitor Classification**	**Catawba River Basin[a] (Low Inflow Protocol)**	**Yadkin River Basin[b] (NC Drought Monitor)**	**Action by Cities**	**Cities' Actions Taken**
	Normal		September 25 – October 15		
0	Abnormally Dry	January 1 - December 31	January 1 - March 2 May 15 – September 24 October 16 - November 5	Level 0 from January 1 - December 31	Lawn irrigation allowed only on Tuesday, Thursday, & Saturday. Other voluntary conservation efforts encouraged.
1	Moderate Drought	-	March 3 -May 14 November 6 -December 17		
2	Severe Drought	-	December 18 – December 31		
3	Extreme Drought	-	-		
4	Exceptional Drought	-	-		

[a] The Catawba River Basin is listed as the drought stage declared by the Catawba-Wateree Water Management Group.

[b] The Yadkin River Basin is listed as the highest classification within the basin at a given date. Portions of the basin may be in a lower category.

4.3 - 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 2010.

The Cities and local municipalities cooperatively and effectively communicate and manage their respective water distribution systems. The Cities sell water to each other and reconcile billing monthly. Additionally, Concord owns and operates the water distribution system for Midland, providing water service to all Midland customers. Harrisburg purchases water from Concord, measured by five meters. Concord also provides water service to unincorporated areas of Cabarrus County. Mount Pleasant did not purchase water from the City of Concord in 2012. 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.

4.4 - 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.

4.5 - 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 2012.

4.6 - 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.

4.7 - 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 2012

2012 Concord-Kannapolis IBT Tracking

Calculated Fields

Condition of IBT Certificate (January 25, 2007)

Maximum day transfer from the Catawba River Basin	10 MGD
Maximum day transfer from the Yadkin Pee-Dee River Basin	10 MGD
Maximum day transfer from the South Yadkin River Basin (grandfather)	6 MGD
Maximum day transfer to the South Yadkin River Basin (cannot exceed transfer from South Yadkin by more than 1.99 MGD)	

	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
Map Code		Salisbury 1	Albemarle 1	CMU 1-3												
Source Basin	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[1]*	*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*
1/1/2012	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%
1/2/2012	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%
1/3/2012	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%
1/4/2012	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%
1/5/2012	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%
1/6/2012	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%
1/7/2012	0.000	0.300	0.000	0.000	0.123	-0.123	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.123	-2.050%	0.123	6.181%
1/8/2012	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%
1/9/2012	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%
1/10/2012	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%
1/11/2012	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%
1/12/2012	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%
1/13/2012	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%
1/14/2012	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%
1/15/2012	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%
1/16/2012	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%
1/17/2012	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%
1/18/2012	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%
1/19/2012	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%
1/20/2012	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%
1/21/2012	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%
1/22/2012	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%
1/23/2012	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%
1/24/2012	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%
1/25/2012	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%
1/26/2012	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%
1/27/2012	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%
1/28/2012	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%
1/29/2012	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%
1/30/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
1/31/2012	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%
2/1/2012	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%
2/2/2012	0.000	0.300	0.000	0.000	0.118	-0.118	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.118	-1.967%	0.118	5.930%
2/3/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
2/4/2012	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%
2/5/2012	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%
2/6/2012	0.000	0.300	0.000	0.000	0.227	-0.227	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.227	-3.783%	0.227	11.407%
2/7/2012	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%
2/8/2012	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%
2/9/2012	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%
2/10/2012	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%
2/11/2012	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%
2/12/2012	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%
2/13/2012	0.000	0.300	0.000	0.000	0.149	-0.149	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.149	-2.483%	0.149	7.487%
2/14/2012	0.000	0.300	0.000	0.000	0.149	-0.149	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.149	-2.483%	0.149	7.487%
2/15/2012	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%
2/16/2012	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%
2/17/2012	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%

	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
Map Code		Salisbury 1	Albemarle 1	CMU 1-3												
Source Basin	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[1]***	***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*
2/18/2012	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%
2/19/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
2/20/2012	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%
2/21/2012	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%
2/22/2012	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%
2/23/2012	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%
2/24/2012	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%
2/25/2012	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%
2/26/2012	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%
2/27/2012	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%
2/28/2012	0.000	0.300	0.000	0.000	0.142	-0.142	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.142	-2.367%	0.142	7.136%
2/29/2012	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%
3/1/2012	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%
3/2/2012	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%
3/3/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
3/4/2012	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%
3/5/2012	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%
3/6/2012	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%
3/7/2012	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%
3/8/2012	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%
3/9/2012	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%
3/10/2012	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%
3/11/2012	0.000	0.300	0.000	0.000	0.120	-0.120	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.120	-2.000%	0.120	6.030%
3/12/2012	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%
3/13/2012	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%
3/14/2012	0.000	0.300	0.000	0.000	0.220	-0.220	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.220	-3.667%	0.220	11.055%
3/15/2012	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%
3/16/2012	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%
3/17/2012	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%
3/18/2012	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%
3/19/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
3/20/2012	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%
3/21/2012	0.000	0.300	0.000	0.000	0.149	-0.149	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.149	-2.483%	0.149	7.487%
3/22/2012	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%
3/23/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
3/24/2012	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%
3/25/2012	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%
3/26/2012	0.000	0.300	0.000	0.000	0.149	-0.149	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.149	-2.483%	0.149	7.487%
3/27/2012	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%
3/28/2012	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%
3/29/2012	0.000	0.300	0.000	0.000	0.181	-0.181	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.181	-3.017%	0.181	9.095%
3/30/2012	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%
3/31/2012	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%
4/1/2012	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%
4/2/2012	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%
4/3/2012	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%
4/4/2012	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%
4/5/2012	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%
4/6/2012	0.000	0.300	0.000	0.000	0.103	-0.103	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.103	-1.717%	0.103	5.176%
4/7/2012	0.000	0.300	0.000	0.000	0.114	-0.114	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.114	-1.900%	0.114	5.729%
4/8/2012	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%
4/9/2012	0.000	0.300	0.000	0.000	0.230	-0.230	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.280	-3.833%	0.230	11.558%
4/10/2012	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%
4/11/2012	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%
4/12/2012	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%
4/13/2012	0.000	0.300	0.000	0.000	0.231	-0.231	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.231	-3.850%	0.231	11.608%

	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
Map Code		Salisbury 1	Albemarle 1	CMU 1-3												
Source Basin	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[1]***	***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*
4/14/2012	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%
4/15/2012	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%
4/16/2012	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%
4/17/2012	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%
4/18/2012	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%
4/19/2012	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%
4/20/2012	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%
4/21/2012	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%
4/22/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
4/23/2012	0.000	0.300	0.000	0.000	0.201	-0.201	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.201	-3.350%	0.201	10.101%
4/24/2012	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%
4/25/2012	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%
4/26/2012	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%
4/27/2012	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%
4/28/2012	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%
4/29/2012	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%
4/30/2012	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%
5/1/2012	0.000	0.300	0.000	0.000	0.293	-0.293	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.293	-4.883%	0.293	14.724%
5/2/2012	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%
5/3/2012	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%
5/4/2012	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%
5/5/2012	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%
5/6/2012	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%
5/7/2012	0.000	0.300	0.000	0.000	0.251	-0.251	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.251	-4.183%	0.251	12.613%
5/8/2012	0.000	0.300	0.000	0.000	0.248	-0.248	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.248	-4.133%	0.248	12.462%
5/9/2012	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%
5/10/2012	0.000	0.300	0.000	0.000	0.229	-0.229	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.229	-3.817%	0.229	11.508%
5/11/2012	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%
5/12/2012	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%
5/13/2012	0.000	0.300	0.000	0.000	0.208	-0.208	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.208	-3.467%	0.208	10.452%
5/14/2012	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%
5/15/2012	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%
5/16/2012	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%
5/17/2012	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%
5/18/2012	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%
5/19/2012	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%
5/20/2012	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%
5/21/2012	0.000	0.300	0.000	0.000	0.229	-0.229	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.229	-3.817%	0.229	11.508%
5/22/2012	0.000	0.300	0.000	0.000	0.311	-0.311	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.311	-5.183%	0.311	15.628%
5/23/2012	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%
5/24/2012	0.000	0.300	0.000	0.000	0.378	-0.378	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.378	-6.300%	0.378	18.995%
5/25/2012	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%
5/26/2012	0.000	0.300	0.000	0.000	0.192	-0.192	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.192	-3.200%	0.192	9.648%
5/27/2012	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%
5/28/2012	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%
5/29/2012	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%
5/30/2012	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%
5/31/2012	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%
6/1/2012	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%
6/2/2012	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%
6/3/2012	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%
6/4/2012	0.000	0.300	0.000	0.000	0.208	-0.208	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.208	-3.467%	0.208	10.452%
6/5/2012	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%
6/6/2012	0.000	0.300	0.000	0.000	0.229	-0.229	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.229	-3.817%	0.229	11.508%
6/7/2012	0.000	0.300	0.000	0.000	0.251	-0.251	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.251	-4.183%	0.251	12.613%
6/8/2012	0.000	0.300	0.000	0.000	0.277	-0.277	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.277	-4.617%	0.277	13.920%

	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
Map Code		Salisbury 1	Albemarle 1	CMU 1-3												
Source Basin	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[1]***	***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*
6/9/2012	0.000	0.300	0.000	0.000	0.294	-0.294	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.294	-4.900%	0.294	14.774%
6/10/2012	0.000	0.300	0.000	0.000	0.181	-0.181	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.181	-3.017%	0.181	9.095%
6/11/2012	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%
6/12/2012	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%
6/13/2012	0.000	0.300	0.000	0.000	0.248	-0.248	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.248	-4.133%	0.248	12.462%
6/14/2012	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%
6/15/2012	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%
6/16/2012	0.000	0.300	0.000	0.000	0.274	-0.274	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.274	-4.567%	0.274	13.769%
6/17/2012	0.000	0.300	0.000	0.000	0.288	-0.288	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.288	-4.800%	0.288	14.472%
6/18/2012	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%
6/19/2012	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%
6/20/2012	0.000	0.300	0.000	0.000	0.325	-0.325	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.325	-5.417%	0.325	16.332%
6/21/2012	0.000	0.300	0.000	0.000	0.324	-0.324	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.324	-5.400%	0.324	16.281%
6/22/2012	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%
6/23/2012	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%
6/24/2012	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%
6/25/2012	0.000	0.300	0.000	0.000	0.251	-0.251	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.251	-4.183%	0.251	12.613%
6/26/2012	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%
6/27/2012	0.000	0.300	0.000	0.000	0.251	-0.251	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.251	-4.183%	0.251	12.613%
6/28/2012	0.000	0.300	0.000	0.000	0.239	-0.239	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.239	-3.983%	0.239	12.010%
6/29/2012	0.000	0.300	0.000	0.000	0.295	-0.295	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.295	-4.917%	0.295	14.824%
6/30/2012	0.000	0.300	0.000	0.000	0.291	-0.291	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.291	-4.850%	0.291	14.623%
7/1/2012	0.000	0.300	0.000	0.000	0.291	-0.291	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.291	-4.850%	0.291	14.623%
7/2/2012	0.000	0.300	0.000	0.000	0.442	-0.442	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.442	-7.367%	0.442	22.211%
7/3/2012	0.000	0.300	0.000	0.000	0.356	-0.356	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.356	-5.933%	0.356	17.889%
7/4/2012	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%
7/5/2012	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%
7/6/2012	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%
7/7/2012	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%
7/8/2012	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%
7/9/2012	0.000	0.300	0.000	0.000	0.300	-0.300	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.300	-5.000%	0.300	15.075%
7/10/2012	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%
7/11/2012	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%
7/12/2012	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%
7/13/2012	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%
7/14/2012	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%
7/15/2012	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%
7/16/2012	0.000	0.300	0.000	0.000	0.220	-0.220	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.220	-3.667%	0.220	11.055%
7/17/2012	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%
7/18/2012	0.000	0.300	0.000	0.000	0.220	-0.220	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.220	-3.667%	0.220	11.055%
7/19/2012	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%
7/20/2012	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%
7/21/2012	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%
7/22/2012	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%
7/23/2012	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%
7/24/2012	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%
7/25/2012	0.000	0.300	0.000	0.000	0.280	-0.280	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.280	-4.667%	0.280	14.070%
7/26/2012	0.000	0.300	0.000	0.000	0.381	-0.381	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.381	-6.350%	0.381	19.146%
7/27/2012	0.000	0.300	0.000	0.000	0.265	-0.265	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.265	-4.417%	0.265	13.317%
7/28/2012	0.000	0.300	0.000	0.000	0.266	-0.266	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.266	-4.433%	0.266	13.367%
7/29/2012	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%
7/30/2012	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%
7/31/2012	0.000	0.300	0.000	0.000	0.300	-0.300	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.300	-5.000%	0.300	15.075%
8/1/2012	0.000	0.300	0.000	0.000	0.279	-0.279	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.279	-4.650%	0.279	14.020%
8/2/2012	0.000	0.300	0.000	0.000	0.262	-0.262	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.262	-4.367%	0.262	13.166%
8/3/2012	0.000	0.300	0.000	0.000	0.316	-0.316	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.316	-5.267%	0.316	15.879%

	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
Map Code		Salisbury 1	Albemarle 1	CMU 1-3												
Source Basin	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[1]***	***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*
8/4/2012	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%
8/5/2012	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%
8/6/2012	0.000	0.300	0.000	0.000	0.274	-0.274	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.274	-4.567%	0.274	13.769%
8/7/2012	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%
8/8/2012	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%
8/9/2012	0.000	0.300	0.000	0.000	0.251	-0.251	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.251	-4.183%	0.251	12.613%
8/10/2012	0.000	0.300	0.000	0.000	0.219	-0.219	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.219	-3.650%	0.219	11.005%
8/11/2012	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%
8/12/2012	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%
8/13/2012	0.000	0.300	0.000	0.000	0.220	-0.220	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.220	-3.667%	0.220	11.055%
8/14/2012	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%
8/15/2012	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%
8/16/2012	0.000	0.300	0.000	0.000	0.273	-0.273	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.273	-4.550%	0.273	13.719%
8/17/2012	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%
8/18/2012	0.000	0.300	0.000	0.000	0.242	-0.242	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.242	-4.033%	0.242	12.161%
8/19/2012	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%
8/20/2012	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%
8/21/2012	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%
8/22/2012	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%
8/23/2012	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%
8/24/2012	0.000	0.300	0.000	0.000	0.248	-0.248	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.248	-4.133%	0.248	12.462%
8/25/2012	0.000	0.300	0.000	0.000	0.234	-0.234	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.234	-3.900%	0.234	11.759%
8/26/2012	0.000	0.300	0.000	0.000	0.269	-0.269	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.269	-4.483%	0.269	13.518%
8/27/2012	0.000	0.300	0.000	0.000	0.295	-0.295	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.295	-4.917%	0.295	14.824%
8/28/2012	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%
8/29/2012	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%
8/30/2012	0.000	0.300	0.000	0.000	0.374	-0.374	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.374	-6.233%	0.374	18.794%
8/31/2012	0.000	0.300	0.000	0.000	0.454	-0.454	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.454	-7.567%	0.454	22.814%
9/1/2012	0.000	0.300	0.000	0.000	0.231	-0.231	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.231	-3.850%	0.231	11.608%
9/2/2012	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%
9/3/2012	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%
9/4/2012	0.000	0.300	0.000	0.000	0.192	-0.192	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.192	-3.200%	0.192	9.648%
9/5/2012	0.000	0.300	0.000	0.000	0.220	-0.220	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.220	-3.667%	0.220	11.055%
9/6/2012	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%
9/7/2012	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%
9/8/2012	0.000	0.300	0.000	0.000	0.208	-0.208	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.208	-3.467%	0.208	10.452%
9/9/2012	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%
9/10/2012	0.000	0.300	0.000	0.000	0.275	-0.275	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.275	-4.583%	0.275	13.819%
9/11/2012	0.000	0.300	0.000	0.000	0.288	-0.288	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.288	-4.800%	0.288	14.472%
9/12/2012	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%
9/13/2012	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%
9/14/2012	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%
9/15/2012	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%
9/16/2012	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%
9/17/2012	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%
9/18/2012	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%
9/19/2012	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%
9/20/2012	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%
9/21/2012	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%
9/22/2012	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%
9/23/2012	0.000	0.300	0.000	0.000	0.141	-0.141	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.141	-2.350%	0.141	7.085%
9/24/2012	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%
9/25/2012	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%
9/26/2012	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%
9/27/2012	0.000	0.300	0.000	0.000	0.192	-0.192	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.192	-3.200%	0.192	9.648%
9/28/2012	0.000	0.300	0.000	0.000	0.197	-0.197	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.197	-3.283%	0.197	9.899%

	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
Map Code		Salisbury 1	Albemarle 1	CMU 1-3												
Source Basin	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[1]***	***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*
9/29/2012	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%
9/30/2012	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%
10/1/2012	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%
10/2/2012	0.000	0.300	0.000	0.000	0.262	-0.262	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.262	-4.367%	0.262	13.166%
10/3/2012	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%
10/4/2012	0.000	0.300	0.000	0.000	0.229	-0.229	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.229	-3.817%	0.229	11.508%
10/5/2012	0.000	0.300	0.000	0.000	0.212	-0.212	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.212	-3.533%	0.212	10.653%
10/6/2012	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%
10/7/2012	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%
10/8/2012	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%
10/9/2012	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%
10/10/2012	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%
10/11/2012	0.000	0.300	0.000	0.000	0.246	-0.246	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.246	-4.100%	0.246	12.362%
10/12/2012	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%
10/13/2012	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%
10/14/2012	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%
10/15/2012	0.000	0.300	0.000	0.000	0.208	-0.208	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.208	-3.467%	0.208	10.452%
10/16/2012	0.000	0.300	0.000	0.000	0.214	-0.214	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.214	-3.567%	0.214	10.754%
10/17/2012	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%
10/18/2012	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%
10/19/2012	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%
10/20/2012	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%
10/21/2012	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%
10/22/2012	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%
10/23/2012	0.000	0.300	0.000	0.000	0.295	-0.295	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.295	-4.917%	0.295	14.824%
10/24/2012	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%
10/25/2012	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%
10/26/2012	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%
10/27/2012	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%
10/28/2012	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%
10/29/2012	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%
10/30/2012	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%
10/31/2012	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%
11/1/2012	0.000	0.300	0.000	0.000	0.114	-0.114	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.114	-1.900%	0.114	5.729%
11/2/2012	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%
11/3/2012	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%
11/4/2012	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%
11/5/2012	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%
11/6/2012	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%
11/7/2012	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%
11/8/2012	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%
11/9/2012	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%
11/10/2012	0.000	0.300	0.000	0.000	0.142	-0.142	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.142	-2.367%	0.142	7.136%
11/11/2012	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%
11/12/2012	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%
11/13/2012	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%
11/14/2012	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%
11/15/2012	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%
11/16/2012	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%
11/17/2012	0.000	0.300	0.000	0.000	0.141	-0.141	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.141	-2.350%	0.141	7.085%
11/18/2012	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%
11/19/2012	0.000	0.300	0.000	0.000	0.141	-0.141	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.141	-2.350%	0.141	7.085%
11/20/2012	0.000	0.300	0.000	0.000	0.241	-0.241	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.241	-4.017%	0.241	12.111%
11/21/2012	0.000	0.300	0.000	0.000	0.197	-0.197	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.197	-3.283%	0.197	9.899%
11/22/2012	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%
11/23/2012	0.000	0.300	0.000	0.000	0.129	-0.129	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.129	-2.150%	0.129	6.482%

Map Code / Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin			Interbasin Transfer							
						NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).										
	South Yadkin	Salisbury 1 Yadkin	Albemarle 1 Yadkin	CMU 1-3 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[1]***	***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*
11/24/2012	0.000	0.300	0.000	0.000	0.129	-0.129	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.129	-2.150%	0.129	6.482%
11/25/2012	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%
11/26/2012	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%
11/27/2012	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%
11/28/2012	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%
11/29/2012	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%
11/30/2012	0.000	0.300	0.000	0.000	0.150	-0.150	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.150	-2.500%	0.150	7.538%
12/1/2012	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%
12/2/2012	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%
12/3/2012	0.000	0.300	0.000	0.000	0.276	-0.276	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.276	-4.600%	0.276	13.869%
12/4/2012	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%
12/5/2012	0.000	0.300	0.000	0.000	0.192	-0.192	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.192	-3.200%	0.192	9.648%
12/6/2012	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%
12/7/2012	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%
12/8/2012	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%
12/9/2012	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%
12/10/2012	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%
12/11/2012	0.000	0.300	0.000	0.000	0.121	-0.121	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.121	-2.017%	0.121	6.080%
12/12/2012	0.000	0.300	0.000	0.000	0.212	-0.212	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.212	-3.533%	0.212	10.653%
12/13/2012	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%
12/14/2012	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%
12/15/2012	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%
12/16/2012	0.000	0.300	0.000	0.000	0.131	-0.131	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.131	-2.183%	0.131	6.583%
12/17/2012	0.000	0.300	0.000	0.000	0.249	-0.249	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.249	-4.150%	0.249	12.513%
12/18/2012	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%
12/19/2012	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%
12/20/2012	0.000	0.300	0.000	0.000	0.208	-0.208	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.208	-3.467%	0.208	10.452%
12/21/2012	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%
12/22/2012	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%
12/23/2012	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%
12/24/2012	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%
12/25/2012	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%
12/26/2012	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%
12/27/2012	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%
12/28/2012	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%
12/29/2012	0.000	0.300	0.000	0.000	0.111	-0.111	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.111	-1.850%	0.111	5.578%
12/30/2012	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%
12/31/2012	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%
AVG 2012	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	-1.989%	0.199	3.315%
MAX 2012	0.000	0.300	0.000	0.000	0.454	-0.454	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.454	-4.540%	0.454	7.567%

[1] *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