

**2013 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

February 2014

Executive Summary

The 2013 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 2012 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 2013, the Certificate Holders complied with all conditions of their IBT Certificate. The City of Concord purchased water from Charlotte-Mecklenburg Utilities (CMU) as an emergency draw in December due to a blue-green algae bloom in the source water for Concord's Coddle Creek Water Treatment Plant. This algae bloom required treatment train modifications to ensure finished water was in compliance with State regulations. The maximum daily transfer from the Yadkin River Basin was 0.3 mgd.

In 2013, 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 0.21 mgd resulted in an IBT to Second Creek (South Yadkin River Basin) during 2013. The maximum day transfer to the South Yadkin River Basin was 0.45 mgd. IBT amounts for 2013 are provided in Table ES-1. The 2013 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

2013 IBT Average Annual & Maximum Day Demands for Concord and Kannapolis Service Areas

Year	Catawba River Basin			Yadkin River Basin			Second Creek ^{c,d} (South Yadkin River Basin)		
	Water Purchase (mgd)		IBT as % of Certificate ^a	Water Purchase (mgd)		IBT as % of Certificate ^{b,c}	Water Transfer (mgd)		IBT as % of Grandfathered amount
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2013	0.014	3.335	33.35%	0.30	0.30	3.0%	-0.21	-0.45	-4.45%

^a Maximum Day IBT of 10 mgd from the Catawba River Basin.

^b Maximum Day IBT of 10 mgd from the Yadkin River Basin.

^c 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.

^d There was no transfer from Second Creek, therefore these numbers are negative.

2013 Daily IBT Per Basin (mgd)

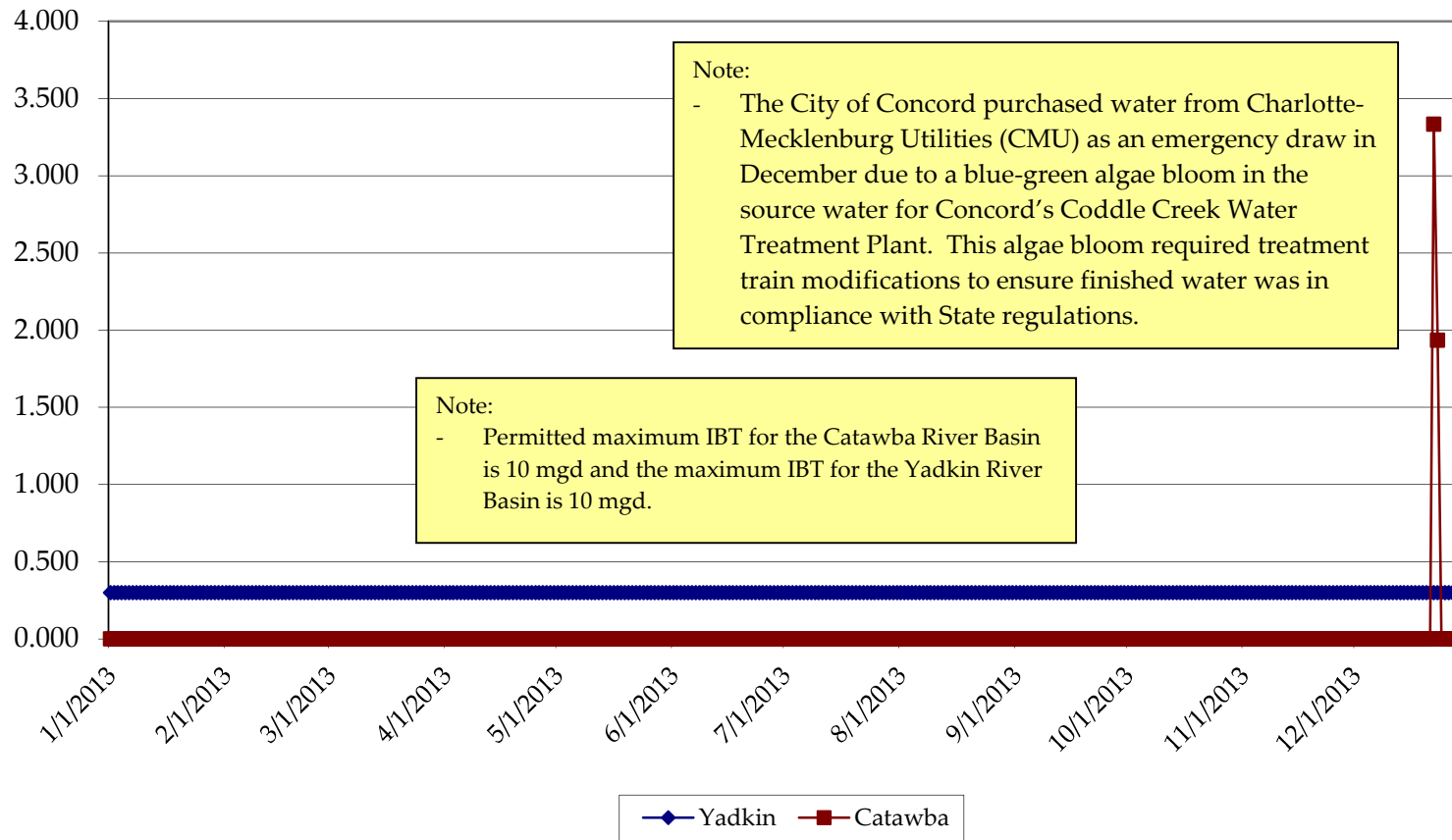


Figure ES-1
2013 Daily Interbasin Transfers by Basin

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Daily Interbasin Transfer Amounts for 2013

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

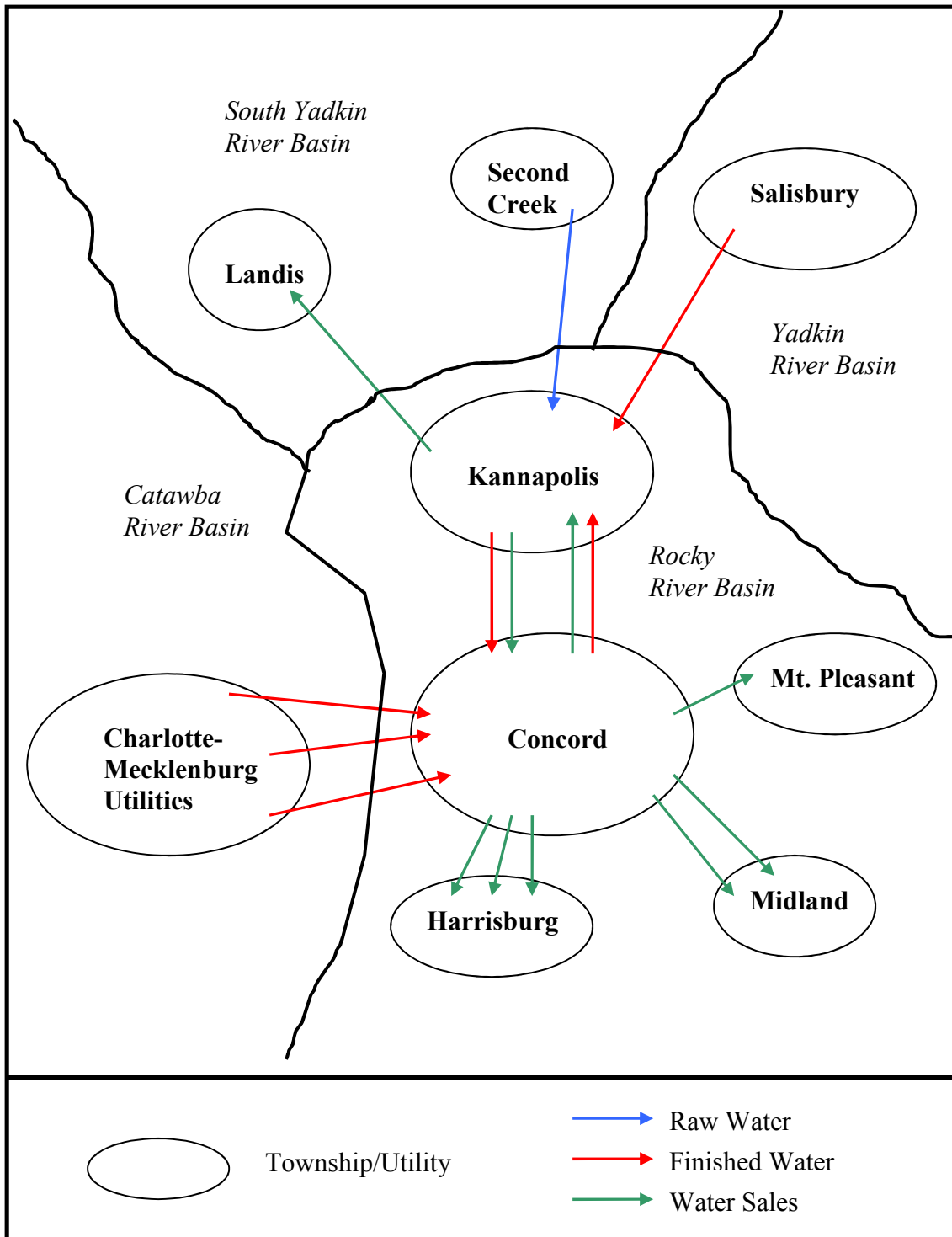
The Cities of Concord and Kannapolis (Cities) received an interbasin transfer (IBT) Certificate, which was originally approved on January 10, 2007, and signed into effect on January 25, 2007. The North Carolina Environmental Management Commission (EMC) has authorized transfers of up to 10 million gallons 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 2013 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 2013 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 2013, finished water production averaged 13.05 mgd, purchased IBT finished water averaged 0.03 mgd for the Yadkin River Basin and -0.21 mgd for Second Creek (negative since there is no transfer from Second Creek). The City of Concord purchased water from CMU as an emergency draw in December due to a blue-green algae bloom in the source water for Concord’s Coddle Creek Water Treatment Plant. This algae bloom required treatment train modifications to ensure finished water was in compliance with State regulations. The combined 2013 annual average water use for the Certificate Holders was 13.14 mgd.

Table 2-1
2013 Water Production or Purchases by River Basin

2013					
Certificate Holders	Annual Average Finished Water Produced ^a (mgd)	Annual Average Purchased Water (mgd)			Annual Average Combined Water Use (mgd)
		Catawba River Basin ^b	Yadkin River Basin	Second Creek	
Concord & Kannapolis	13.05	0.00	0.30	-0.21	13.14

^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, 2013 through December 31, 2013. *There was an emergency IBT from the Catawba River Basin during the calendar year 2013 on 2 occasions. The first being on December 22 in the amount of 3.335 mgd and the second on December 23 in the amount of 1.934 mgd. The maximum day IBT from the Yadkin River Basin during the calendar year 2013 was 0.3 mgd,*

which was consistent daily throughout 2013 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

2013 IBT Average Annual & Maximum Day Demands for Concord and Kannapolis Service Areas

Year	Catawba River Basin			Yadkin River Basin			Second Creek ^{c,d} (South Yadkin River Basin)		
	Water Purchase (mgd)		IBT as % of Certificate ^a	Water Purchase (mgd)		IBT as % of Certificate ^{b,c}	Water Transfer (mgd)		IBT as % of Grandfathered amount
	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day	Average Annual	Max. Day	Max. Day
2013	0.014	3.335	33.35%	0.30	0.30	3.0%	-0.21	-0.45	-4.45%

^a Maximum Day IBT of 10 mgd from the Catawba River Basin.

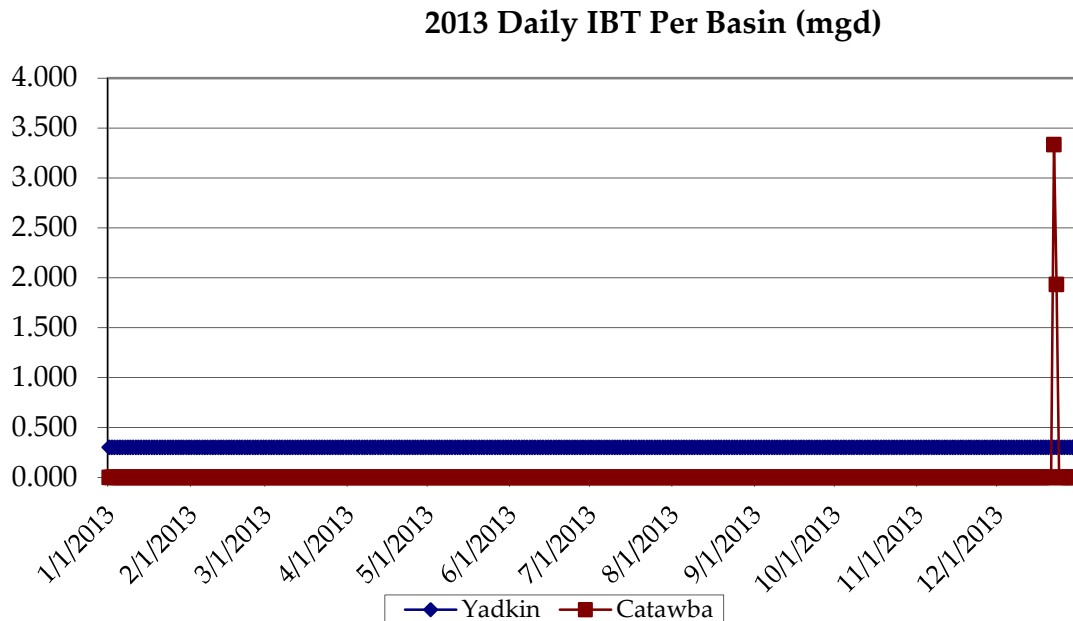
^b Maximum Day IBT of 10 mgd from the Yadkin River Basin.

^c 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

2013 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. On December 22, there was an emergency that required 3.335 mgd on that day and 1.934 mgd the following day that could not be avoided. There was a blue-green algae bloom in the source water for Concord’s Coddle Creek Water Treatment Plant. This algae bloom required treatment train modifications to ensure finished water was in compliance with State regulations.

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:

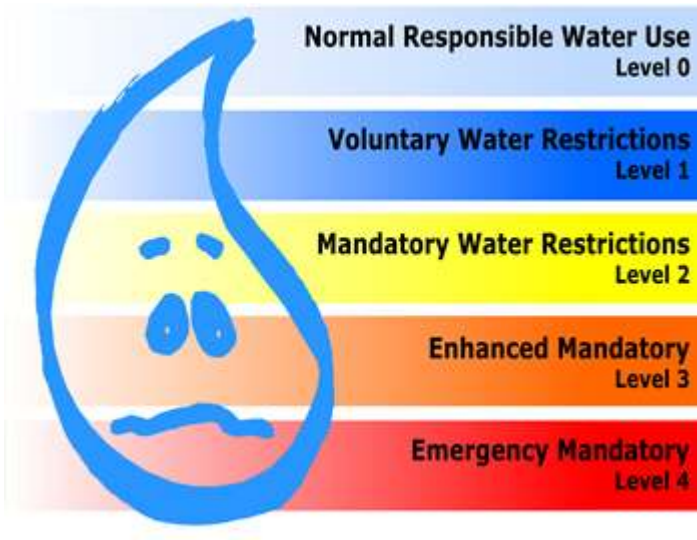
http://www.ncwater.org/Water_Supply_Planning/Water_Shortage_Response_Plans/plan

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 2013 (Figure 4-1). Other outdoor water use conservation

measures are encouraged but not required. The Yadkin River Basin began the year with Stage 2, Severe Drought, water levels. In late January, rainfall increased and both basins moved to Stage 1, Moderate Drought. In February the rainfall increased in the Yadkin-Pee Dee River Basin and the basin moved to Abnormally Dry levels. The Catawba River Basin moved to Abnormally Dry Levels in April. Both basins moved to Normal in the spring and stayed at those levels until October when rainfall decreased and they both moved back to Abnormally Dry, where they finished 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 2013 Normal and Drought Stages

2013 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	June 3 – December 31	May 7 – October 21		
0	Abnormally Dry	January 1 – June 2	April 30 – May 6 October 22 – December 31	Level 0 from January 1 - December 31	Lawn irrigation allowed only on Tuesday, Thursday, & Saturday. Other voluntary conservation efforts encouraged.
1	Moderate Drought	-	January 22 – April 29		
2	Severe Drought	-	January 1 – January 21		
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 2013.

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 2013. 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 2013.

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 2013

2013 Concord-Kannapolis IBT Tracking

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)

Calculated Fields

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD)	IBT Totals Per Basin				Interbasin Transfer						
	South Yadkin	Yadkin	Yadkin	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
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								
1/1/2013	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%
1/2/2013	0.000	0.300	0.000	0.000	0.000	0.000	0.300	0.000	0.000	0.000%	0.300	3.000%	0.000	0.000%	0.000	0.000%
1/3/2013	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%
1/4/2013	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%
1/5/2013	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%
1/6/2013	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%
1/7/2013	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%
1/8/2013	0.000	0.300	0.000	0.000	0.338	-0.338	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.338	-5.633%	0.338	16.985%
1/9/2013	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%
1/10/2013	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%
1/11/2013	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%
1/12/2013	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%
1/13/2013	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%
1/14/2013	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%
1/15/2013	0.000	0.300	0.000	0.000	0.286	-0.286	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.286	-4.767%	0.286	14.372%
1/16/2013	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%
1/17/2013	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%
1/18/2013	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%
1/19/2013	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%
1/20/2013	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%
1/21/2013	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%
1/22/2013	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%
1/23/2013	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%
1/24/2013	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%
1/25/2013	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%
1/26/2013	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%
1/27/2013	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%
1/28/2013	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%
1/29/2013	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%
1/30/2013	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%
1/31/2013	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%
2/1/2013	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%
2/2/2013	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%
2/3/2013	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%
2/4/2013	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%
2/5/2013	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%
2/6/2013	0.000	0.300	0.000	0.000	0.359	-0.359	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.359	-5.983%	0.359	18.040%
2/7/2013	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%
2/8/2013	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%
2/9/2013	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%
2/10/2013	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%
2/11/2013	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%
2/12/2013	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%
2/13/2013	0.000	0.300	0.000	0.000	0.320	-0.320	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.320	-5.333%	0.320	16.080%
2/14/2013	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%
2/15/2013	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%
2/16/2013	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%
2/17/2013	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%

Map Code Source Basin	Water Transfer (MGD) to Rocky River Basin				Water Sales (MGD) Kannapolis Finished water sales to Landis	IBT Totals Per Basin			Interbasin Transfer							
	Salisbury 1		Albemarle 1			NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).			Catawba	%	%	%	%	%	%	
	South Yadkin	Yadkin	Yadkin	Catawba		South Yadkin	Yadkin	Catawba								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	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	
2/18/2013	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%
2/19/2013	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%
2/20/2013	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%
2/21/2013	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%
2/22/2013	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%
2/23/2013	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%
2/24/2013	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%
2/25/2013	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%
2/26/2013	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%
2/27/2013	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%
2/28/2013	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%
3/1/2013	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%
3/2/2013	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%
3/3/2013	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%
3/4/2013	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%
3/5/2013	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%
3/6/2013	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%
3/7/2013	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%
3/8/2013	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%
3/9/2013	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%
3/10/2013	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%
3/11/2013	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%
3/12/2013	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%
3/13/2013	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%
3/14/2013	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%
3/15/2013	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%
3/16/2013	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%
3/17/2013	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%
3/18/2013	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%
3/19/2013	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%
3/20/2013	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%
3/21/2013	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%
3/22/2013	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%
3/23/2013	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%
3/24/2013	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%
3/25/2013	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%
3/26/2013	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%
3/27/2013	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%
3/28/2013	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%
3/29/2013	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%
3/30/2013	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%
3/31/2013	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%
4/1/2013	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%
4/2/2013	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%
4/3/2013	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%
4/4/2013	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%
4/5/2013	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%
4/6/2013	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%
4/7/2013	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%
4/8/2013	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%
4/9/2013	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%
4/10/2013	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%
4/11/2013	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%
4/12/2013	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%
4/13/2013	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%
4/14/2013	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%

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	NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).							
	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
DATE																
4/15/2013	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%
4/16/2013	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%
4/17/2013	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%
4/18/2013	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%
4/19/2013	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%
4/20/2013	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%
4/21/2013	0.000	0.300	0.000	0.000	0.281	-0.281	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.281	-4.683%	0.281	14.121%
4/22/2013	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%
4/23/2013	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%
4/24/2013	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%
4/25/2013	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%
4/26/2013	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%
4/27/2013	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%
4/28/2013	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%
4/29/2013	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%
4/30/2013	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%
5/1/2013	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%
5/2/2013	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%
5/3/2013	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%
5/4/2013	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%
5/5/2013	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%
5/6/2013	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%
5/7/2013	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%
5/8/2013	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%
5/9/2013	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%
5/10/2013	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%
5/11/2013	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%
5/12/2013	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%
5/13/2013	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%
5/14/2013	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%
5/15/2013	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%
5/16/2013	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%
5/17/2013	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%
5/18/2013	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%
5/19/2013	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%
5/20/2013	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%
5/21/2013	0.000	0.300	0.000	0.000	0.283	-0.283	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.283	-4.717%	0.283	14.221%
5/22/2013	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%
5/23/2013	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%
5/24/2013	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%
5/25/2013	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%
5/26/2013	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%
5/27/2013	0.000	0.300	0.000	0.000	0.354	-0.354	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.354	-5.900%	0.354	17.789%
5/28/2013	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%
5/29/2013	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%
5/30/2013	0.000	0.300	0.000	0.000	0.317	-0.317	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.317	-5.283%	0.317	15.930%
5/31/2013	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%
6/1/2013	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%
6/2/2013	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%
6/3/2013	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%
6/4/2013	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%
6/5/2013	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%
6/6/2013	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%
6/7/2013	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%
6/8/2013	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%
6/9/2013	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%

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	NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).							
	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
DATE																
6/10/2013	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%
6/11/2013	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%
6/12/2013	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%
6/13/2013	0.000	0.300	0.000	0.000	0.337	-0.337	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.337	-5.617%	0.337	16.935%
6/14/2013	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%
6/15/2013	0.000	0.300	0.000	0.000	0.352	-0.352	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.352	-5.867%	0.352	17.688%
6/16/2013	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%
6/17/2013	0.000	0.300	0.000	0.000	0.352	-0.352	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.352	-5.867%	0.352	17.688%
6/18/2013	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%
6/19/2013	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%
6/20/2013	0.000	0.300	0.000	0.000	0.445	-0.445	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.445	-7.417%	0.445	22.362%
6/21/2013	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%
6/22/2013	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%
6/23/2013	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%
6/24/2013	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%
6/25/2013	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%
6/26/2013	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%
6/27/2013	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%
6/28/2013	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%
6/29/2013	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%
6/30/2013	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%
7/1/2013	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%
7/2/2013	0.000	0.300	0.000	0.000	0.255	-0.255	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.255	-4.250%	0.255	12.814%
7/3/2013	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%
7/4/2013	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%
7/5/2013	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%
7/6/2013	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%
7/7/2013	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%
7/8/2013	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%
7/9/2013	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%
7/10/2013	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%
7/11/2013	0.000	0.300	0.000	0.000	0.254	-0.254	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.254	-4.233%	0.254	12.764%
7/12/2013	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%
7/13/2013	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%
7/14/2013	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%
7/15/2013	0.000	0.300	0.000	0.000	0.331	-0.331	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.331	-5.517%	0.331	16.633%
7/16/2013	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%
7/17/2013	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%
7/18/2013	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%
7/19/2013	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%
7/20/2013	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%
7/21/2013	0.000	0.300	0.000	0.000	0.286	-0.286	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.286	-4.767%	0.286	14.372%
7/22/2013	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%
7/23/2013	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%
7/24/2013	0.000	0.300	0.000	0.000	0.401	-0.401	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.401	-6.683%	0.401	20.151%
7/25/2013	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%
7/26/2013	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%
7/27/2013	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%
7/28/2013	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%
7/29/2013	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%
7/30/2013	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%
7/31/2013	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%
8/1/2013	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%
8/2/2013	0.000	0.300	0.000	0.000	0.297	-0.297	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.297	-4.950%	0.297	14.925%
8/3/2013	0.000	0.300	0.000	0.000	0.263	-0.263	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.263	-4.383%	0.263	13.216%
8/4/2013	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%

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
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								
8/5/2013	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%
8/6/2013	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%
8/7/2013	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%
8/8/2013	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%
8/9/2013	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%
8/10/2013	0.000	0.300	0.000	0.000	0.285	-0.285	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.285	-4.750%	0.285	14.322%
8/11/2013	0.000	0.300	0.000	0.000	0.329	-0.329	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.329	-5.483%	0.329	16.533%
8/12/2013	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%
8/13/2013	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%
8/14/2013	0.000	0.300	0.000	0.000	0.317	-0.317	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.317	-5.283%	0.317	15.930%
8/15/2013	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%
8/16/2013	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%
8/17/2013	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%
8/18/2013	0.000	0.300	0.000	0.000	0.364	-0.364	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.364	-6.067%	0.364	18.291%
8/19/2013	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%
8/20/2013	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%
8/21/2013	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%
8/22/2013	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%
8/23/2013	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%
8/24/2013	0.000	0.300	0.000	0.000	0.361	-0.361	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.361	-6.017%	0.361	18.141%
8/25/2013	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%
8/26/2013	0.000	0.300	0.000	0.000	0.271	-0.271	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.271	-4.517%	0.271	13.618%
8/27/2013	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%
8/28/2013	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%
8/29/2013	0.000	0.300	0.000	0.000	0.317	-0.317	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.317	-5.283%	0.317	15.930%
8/30/2013	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%
8/31/2013	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%
9/1/2013	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%
9/2/2013	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%
9/3/2013	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%
9/4/2013	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%
9/5/2013	0.000	0.300	0.000	0.000	0.252	-0.252	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.252	-4.200%	0.252	12.663%
9/6/2013	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%
9/7/2013	0.000	0.300	0.000	0.000	0.252	-0.252	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.252	-4.200%	0.252	12.663%
9/8/2013	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%
9/9/2013	0.000	0.300	0.000	0.000	0.382	-0.382	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.382	-6.367%	0.382	19.196%
9/10/2013	0.000	0.300	0.000	0.000	0.117	-0.117	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.117	-1.950%	0.117	5.879%
9/11/2013	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%
9/12/2013	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%
9/13/2013	0.000	0.300	0.000	0.000	0.263	-0.263	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.263	-4.383%	0.263	13.216%
9/14/2013	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%
9/15/2013	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%
9/16/2013	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%
9/17/2013	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%
9/18/2013	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%
9/19/2013	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%
9/20/2013	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%
9/21/2013	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%
9/22/2013	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%
9/23/2013	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%
9/24/2013	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%
9/25/2013	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%
9/26/2013	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%
9/27/2013	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%
9/28/2013	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%
9/29/2013	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							
	South Yadkin	Salisbury 1	Albemarle 1	CMU 1-3	South Yadkin	NOTE: All Wastewater discharge is to the Rocky River from RRWWTP, excluding water sales to Landis (subtracted from Total South Yadkin IBT).			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
		Yadkin	Yadkin	Catawba		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									
9/30/2013	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%	
10/1/2013	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%	
10/2/2013	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%	
10/3/2013	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%	
10/4/2013	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%	
10/5/2013	0.000	0.300	0.000	0.000	0.252	-0.252	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.252	-4.200%	0.252	12.663%	
10/6/2013	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%	
10/7/2013	0.000	0.300	0.000	0.000	0.252	-0.252	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.252	-4.200%	0.252	12.663%	
10/8/2013	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%	
10/9/2013	0.000	0.300	0.000	0.000	0.382	-0.382	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.382	-6.367%	0.382	19.196%	
10/10/2013	0.000	0.300	0.000	0.000	0.117	-0.117	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.117	-1.950%	0.117	5.879%	
10/11/2013	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%	
10/12/2013	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%	
10/13/2013	0.000	0.300	0.000	0.000	0.263	-0.263	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.263	-4.383%	0.263	13.216%	
10/14/2013	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%	
10/15/2013	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%	
10/16/2013	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%	
10/17/2013	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%	
10/18/2013	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%	
10/19/2013	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%	
10/20/2013	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%	
10/21/2013	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%	
10/22/2013	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%	
10/23/2013	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%	
10/24/2013	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%	
10/25/2013	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%	
10/26/2013	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%	
10/27/2013	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%	
10/28/2013	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%	
10/29/2013	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%	
10/30/2013	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%	
10/31/2013	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%	
11/1/2013	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%	
11/2/2013	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%	
11/3/2013	0.000	0.300	0.000	0.000	0.302	-0.302	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.302	-5.033%	0.302	15.176%	
11/4/2013	0.000	0.300	0.000	0.000	0.283	-0.283	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.283	-4.717%	0.283	14.221%	
11/5/2013	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%	
11/6/2013	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%	
11/7/2013	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%	
11/8/2013	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%	
11/9/2013	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%	
11/10/2013	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%	
11/11/2013	0.000	0.300	0.000	0.000	0.144	-0.144	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.144	-2.400%	0.144	7.236%	
11/12/2013	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%	
11/13/2013	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%	
11/14/2013	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%	
11/15/2013	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%	
11/16/2013	0.000	0.300	0.000	0.000	0.144	-0.144	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.144	-2.400%	0.144	7.236%	
11/17/2013	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%	
11/18/2013	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%	
11/19/2013	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%	
11/20/2013	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%	
11/21/2013	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%	
11/22/2013	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%	
11/23/2013	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%	
11/24/2013	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%	

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
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								
11/25/2013	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%
11/26/2013	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%
11/27/2013	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%
11/28/2013	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%
11/29/2013	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%
11/30/2013	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%
12/1/2013	0.000	0.300	0.000	0.000	0.308	-0.308	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.308	-5.133%	0.308	15.477%
12/2/2013	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%
12/3/2013	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%
12/4/2013	0.000	0.300	0.000	0.000	0.259	-0.259	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.259	-4.317%	0.259	13.015%
12/5/2013	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%
12/6/2013	0.000	0.300	0.000	0.000	0.318	-0.318	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.318	-5.300%	0.318	15.980%
12/7/2013	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%
12/8/2013	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%
12/9/2013	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%
12/10/2013	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%
12/11/2013	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%
12/12/2013	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%
12/13/2013	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%
12/14/2013	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%
12/15/2013	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%
12/16/2013	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%
12/17/2013	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%
12/18/2013	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%
12/19/2013	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%
12/20/2013	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%
12/21/2013	0.000	0.300	0.000	0.000	0.102	-0.102	0.300	0.000	0.000	0.000%	0.300	3.000%	-0.102	-1.700%	0.102	5.126%
12/22/2013	0.000	0.300	0.000	3.335	0.209	-0.209	0.300	3.335	3.335	33.350%	0.300	3.000%	-0.209	-3.483%	0.209	10.503%
12/23/2013	0.000	0.300	0.000	1.934	0.185	-0.185	0.300	1.934	1.934	19.340%	0.300	3.000%	-0.185	-3.083%	0.185	9.296%
12/24/2013	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%
12/25/2013	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%
12/26/2013	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%
12/27/2013	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%
12/28/2013	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%
12/29/2013	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%
12/30/2013	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%
12/31/2013	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%
AVG 2013	0.000	0.300	0.000	0.014	0.207	-0.207	0.300	0.014	0.014	0.144%	0.300	3.000%	-0.207	-2.067%	0.207	-3.445%
MAX 2013	0.000	0.300	0.000	3.335	0.445	-0.445	0.300	3.335	3.335	33.350%	0.300	3.000%	-0.445	-4.450%	0.445	22.362%

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