



ORANGE WATER AND SEWER AUTHORITY

A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.

October 18, 2013

Mark Chilton, Mayor
Town of Carrboro
301 West Main Street
Carrboro, NC 27510

Barry Jacobs, Chair of the
Board of Commissioners
County of Orange
PO Box 8181
Hillsborough, NC 27278

Mark Kleinschmidt, Mayor
Town of Chapel Hill
405 Martin Luther King Jr.
Boulevard
Chapel Hill, NC 27514

Dear Mayor Chilton, Chair Jacobs and Mayor Kleinschmidt:

We are pleased to submit this quarterly report on OWASA's initiatives and services from July through September 2013.

- Our \$10 million project at the Mason Farm Wastewater Treatment Plant (WWTP) to increase energy efficiency, reduce greenhouse gas emissions, enhance treatment and further control odor is 47% complete. The odor control improvements are on schedule for completion by December 31, 2014 per our commitment to the Town of Chapel Hill and neighbors of the WWTP.
- Our lakes are 94% full. Water sales in Fiscal Year (FY) 2013 were 4% less than in FY 2012. Wetter and cooler weather was likely the primary reason. Lower temperatures mean less water use for water-cooled air conditioning systems, irrigation, etc. FY 2013 water sales were 26% less than in FY 2002 although we have 16% more customers. We continue to commend our customers for their excellent conservation practices and investments.
- We ended FY 2013 with excellent financial condition and credit ratings. Net revenue was \$10.2 million (after debt service) or \$215,000 less than projected. We use net revenue to help pay for future capital projects and maintain adequate reserves. Our external auditor gave an unqualified opinion that the annual financial report fairly presents OWASA's financial position and operating results.
- We are continuing to develop a new Strategic Plan and expect to complete it this winter.

We welcome the opportunity to provide additional information and/or to plan a presentation or discussion on any matter of interest to you.

Sincerely,

Alan Rimer, P.E., Chair
OWASA Board of Directors

Attachments

c: David Andrews, Carrboro Town Manager
Roger Stancil, Chapel Hill Town Manager
Michael Talbert, Interim Orange County Manager
OWASA Board of Directors
Ed Kerwin, OWASA Executive Director

**MONTHLY SUMMARY OF CALLS AND E-MAILS TO OWASA
FROM NEIGHBORS REPORTING ODOR
IN THE MASON FARM WASTEWATER TREATMENT PLANT AREA**

January 2002 to September 2013

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 Reports	2013 Events
January	11	3	9	0	8	3	8	1	3	3	7	0	0
February	7	5	2	0	8	0	4	1	0	3	7	0	0
March	9	0	7	1	10	4	1	1	0	2	8	0	0
April	9	2	4	0	9	3	1	1	2	1	1	0	0
May	6	0	2	5	8	3	2	5	4	0	1	3	3
June	4	1	1	1	5	1	8	8	1	2	2	0	0
July	1	0	2	0	0	2	6	3	2	4	0	0	0
August	1	0	4	3	11	2	9	0	1	1	2	0	0
September	2	5	2	2	9	3	1	1	5	1	1	0	0
October	2	6	1	1	8	8	2	0	3	3	2		
November	0	0	1	7	2	6	7	1	1	4	0		
December	3	3	2	5	8	10	2	1	1	6	3		
TOTALS	55	25	37	25	86	45	51	23	23	30	34	3	3

An "odor event" is defined as: One or more odor reports received during a 24 hour period from WWTP neighbor(s). Each odor event shall be considered to be "verified" unless OWASA determines conclusively that an alternative source other than the WWTP created the odor.

LOG OF CALLS AND E-MAILS TO OWASA
FROM NEIGHBORS REPORTING ODOR IN THE MASON FARM
WASTEWATER TREATMENT PLANT (WWTP) AREA

July 2013 – September 2013

Date call received	Time call received	Location
No Calls		

E-mails from OWASA to neighbors
of the Mason Farm Wastewater Treatment Plant (WWTP)
regarding odor elimination matters

August 23 – October 9, 2013

Date	Topic
August 27, 2013	Annual report to the Town of Chapel Hill

DISTRIBUTION LIST FOR OWASA E-MAILS ABOUT WWTP ODOR-RELATED ITEMS
(October 9, 2013)

Area	Resident or owner
Highland Woods	Alice W. Neebe
	Mary Turner
	Malcolm Forbes
	Natalia Lebedeva
	Gary Richman, Gail Wood
	Robert and Melissa Porter
	Robin Casey
	Joseph Clancy
	Ann Schwab
	Seth Kingsbury
	Amanda Kingsbury
	Freeman and Angela Kirby
	Reed Johnson
	Rex Bartles
	Lisa Bartles
	Mary Ellen Bierck
	Barnes Bierck
	Ann Alexander
	Lex Alexander
	Nortin Hadler
	Carol Hadler
	Frank P. Rexford
	Scott Brees
	Kendall Brees
	Ed and Helen Ludwig
	Rainer Blaesius
	Elisabeth Schweins
	Gunilla Luboff
	Fred Hall
	Lawanda Rainey-Hall
	Katie Jamieson
	Richard Harrill
	Frank Phoenix
	Richard and Jane Caswell
	Ed Tostanoski
	Angel Smith
Finley Forest	Adam Kimplead
	Cindy Underwood
	Dan Puckett
	Donna Kaye
	John Neal

Area	Resident or owner
	David J. Polewka
	Kathryn Conard
	Michael Sharpe
	Rima Wehbe
	Dan Choi
	Julie Maness
Laurel Hill	Mike Ramsey
	Bob Wendell
	Carol David
	Pat Evans
	Ewan Rodewald and Sharon Hodge
	Marcella Grendler
	Carolyn Goldfinch
	Carol Hazard and Winston Liao
	Dick and Marie Clark
	Kay Goldstein
	Ann Wilson
	Anne Fogleman
	Louis Fogleman
St. Thomas More Church and School	St. Thomas More Church staff
	Carlos Lima
Morgan Creek area	Ellen Johnson
	Betsy Malpass
	Hanson Malpass
	Jeannie Cox
	Laura King Moore
	Jeanne Langley
	John Pendergrass
	A.W. Carr
	Gary Glish
	Marilyn and Don Hartman
	Robert Huls
Ronald McDonald House	Shelly Day
Family House	Greg Kirkpatrick, Executive Director
	Janice Ross, Operations Manager
	Matt Hapgood
Reserve	Steve McPhail
	James F. Howard
	Steven and Susan Frye
	Doug Longman
	Barbara and Edward Paradise
	Jeanne and David Jarrett
	Nadine O'Malley
	Mark Witcher

Area	Resident or owner
	Ralph Abrahams
	Kathy Abrahams
Bayberry Drive area	William Ware
UNC	Jim Ward, Curator, NC Botanical Garden
	Jim Ward--home
	Peter White, Director, NC Botanical Garden
	Johnny Randall, Assistant Director, NC Botanical Garden
	Phil Barner, Energy Services Director
	Margaret Holton, Water, Sewer & Stormwater Coord.
	Mary Beth Koza, Director, Environment, Health and Safety
	Ross Fowler, Finley Golf Course
	Willie Scroggs, Athletic Department
	Michael Wilkinson, golf pro
	Andrew Sapp, Men's Golf Coach
	Ms. Jan Mann, Women's Golf Coach
	UNC Tennis Center
	UNC parking
	Karen Moon, News Services
	Mike McFarland, Corporate Relations
	Scott Ragland, Corporate Relations
	Linda Convissor, Corporate Relations
	Married Student Housing Manager
	UNC Farm (Faculty Staff Recreation Association)
	Frank Maynard, Athletics/ Finley Golf Course
	Robert Costa, Athletics/ Finley Golf Course
	Mark Steffer, Athletics/ Finley Golf Course
	Jeff McCracken, Public Safety
UNC Hospitals	Mel Hurston
	Karen McCall
Town of Chapel Hill	Roger Stancil, Town Manager
	Florentine A. Miller, Deputy Town Manager
	Bruce Heflin, Asst. Town Manager
	Ralph Karpinos, Town Attorney
	Lance Norris, Public Works Director
	Jay Gibson, Town Engineer
	Richard Terrell, Public Works Operations Supt.
	Dan Jones, Fire Chief
	Robert Bosworth, Deputy Fire Chief
	Catherine Lazorko, Public Information Officer
	Jennie Bob Culpepper, Planning Director
	David Bonk, Planner
	Phil Mason, Planner
	Sabrina Oliver, Town Clerk
	Amy Harvey, Public Affairs and Communications

Area	Resident or owner
	Larry Tucker, Engineering
	Chris Blue, Police Chief
	Jeff Clark, Patrol Captain
	Josh Mecimore, Police Information Officer
City Schools	Tom Forcella, Superintendent
	Bill Mullin
	Todd LoFrese, Asst. Supt. For Support Services
	Jeff Nash, Community Relations
Other Utilities	Indira Everett, Duke Energy
	Brenda Duke, Duke Energy
	Steve Small, Duke Energy
	Rob Masterson, BellSouth/ATT
	Billy Miller, PSNC
	Time Warner Cable
Orange County	Orange 911 Center Supervisor on duty
	Tom Konsler, Environmental Health
Other	Meadowmont Apts.
	Bill Ferrell, Meadowmont Community Association
	Chamber of Commerce

**SUMMARY OF ON-SITE HYDROGEN SULFIDE (H₂S)
ODOR MONITORING**

Month and year	Headworks Monitor			UNC Monitor			Digester Monitor			Switchgear Monitor		
	Average H ₂ S Reading (ppm)	Minimum H ₂ S Reading (ppm)	Maximum H ₂ S Reading (ppm)	Average H ₂ S Reading (ppm)	Minimum H ₂ S Reading (ppm)	Maximum H ₂ S Reading (ppm)	Average H ₂ S Reading (ppm)	Minimum H ₂ S Reading (ppm)	Maximum H ₂ S Reading (ppm)	Average H ₂ S Reading (ppm)	Minimum H ₂ S Reading (ppm)	Maximum H ₂ S Reading (ppm)
July 2013	0.0025	0.0024	0.0025 ¹	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
August 2013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
September 2013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Monitor Locations :

Headworks Monitor (#1) – Monitor located between Headworks Facility and Septage Receiving Station on south side of plant property.

Digester Monitor (#2) – Monitor located between Digester #1 and Digester #4 on west side of plant property.

UNC Monitor (#3) – Monitor located between UNC Research Building and Trickling Filter on north side of plant property.

Switchgear Monitor (#4) – Monitor located across from Switchgear building on north side of plant property.

¹ Maximum reading occurred on July 1, 2013 at 12:00 AM.