



ORANGE WATER AND SEWER AUTHORITY

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

April 23, 2014

Mayor Lydia Lavelle
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

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

Dear Mayor Lavelle, Chair Jacobs and Mayor Kleinschmidt:

We are pleased to submit this quarterly report on our services and initiatives.

Draft budgets and rates: On April 10th, the OWASA Board authorized staff to publicize the draft budgets for fiscal year (FY) 2015 with no increase in any of our rates, fees and charges.

Public hearings on the proposed budget, capital program and rates are scheduled for Thursday, May 22nd at 7 PM in the Community Room at the OWAS Administration Building, 400 Jones Ferry Road, Carrboro.

If the proposed FY 2015 budget is approved, this will be the third consecutive year with no increase in monthly water, sewer and reclaimed water rates.

Strategic Plan: On March 13th, the OWASA Board adopted a new Strategic Plan after a public process. OWASA customers are receiving information with their bills in April about the new Strategic Plan, which includes initiatives regarding reliable and high quality water supply, affordability, financial sustainability, advanced metering infrastructure, billing and financial software, energy management and management and potential disposal of some land.

To read the Strategic Plan on line, please click [here](#) or use the Strategic Plan link under Latest News at www.owasa.org.

Water supply and demand: Our lakes have been full or very close to full since December 25, 2013. Rainfall in the last year has been 22% above average. Based on historical streamflow records, the potential for our reservoirs to fall below 20% full in the next year is very low.

Drinking water use from July 2013 through March 2014 was about 2% less than projected, due to cooler and wetter weather.

Jordan Lake allocation: Staff plans to submit a draft application by May 1, 2014 to the NC Division of Water Resources to renew our Jordan Lake allocation of about 5 million gallons per

Orange Water and Sewer Authority

April 23, 2013

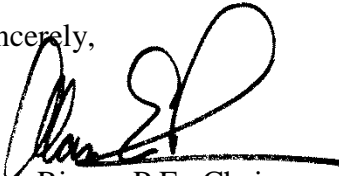
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day. Jordan Lake is our insurance policy for use when needed in a severe drought or operational emergency. Final applications are due on October 1, 2014.

Major construction project: Improvements at our Mason Farm Wastewater Treatment Plant (WWTP) are 90% complete and on schedule for completion by December 31, 2014. This project will further eliminate off-site odor, improve energy efficiency and biological treatment of wastewater, and reduce greenhouse gas emissions from generating electricity used at the WWTP.

We welcome the opportunity to provide additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Rimer', with a horizontal line underneath.

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

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

Attachments: Information regarding off-site odor elimination at the Mason Farm Wastewater Treatment Plant

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

January 2002 to March 2014

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 Reports	2014 Events
January	11	3	9	0	8	3	8	1	3	3	7	0	4	3
February	7	5	2	0	8	0	4	1	0	3	7	0	5	4
March	9	0	7	1	10	4	1	1	0	2	8	0	0	0
April	9	2	4	0	9	3	1	1	2	1	1	0		
May	6	0	2	5	8	3	2	5	4	0	1	3		
June	4	1	1	1	5	1	8	8	1	2	2	0		
July	1	0	2	0	0	2	6	3	2	4	0	0		
August	1	0	4	3	11	2	9	0	1	1	2	0		
September	2	5	2	2	9	3	1	1	5	1	1	0		
October	2	6	1	1	8	8	2	0	3	3	2	2		
November	0	0	1	7	2	6	7	1	1	4	0	1		
December	3	3	2	5	8	10	2	1	1	6	3	5		
TOTALS	55	25	37	25	86	45	51	23	23	30	34	11	9	7

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**

January 2014 – March 2014

Date call received	Time call received	Location
1/8/14	8:47am	1010 Highland Woods Road
1/8/14	6:59pm	1002 Highland Woods Road
1/17/14	8:13am	1020 Highland Woods Road
1/23/14	8:38am	Preswick Road
2/2/14	6:25pm	1027 Highlands Woods Road
2/19/14	8:11am	1016 Highland Woods Road
2/20/14	6:29pm	1002 Highland Woods Road
2/23/14	10:09am	1020 Highland Woods Road
2/23/14	7:57pm	1016 Highland Woods Road

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

January 15 - April 21, 2014

Date	Topic
January 24, 2014	Information about odor releases due to cold weather affecting treatment of wastewater solids

DISTRIBUTION LIST FOR OWASA E-MAILS ABOUT WWTP ODOR-RELATED ITEMS
(April 21, 2014)

Area	Resident or owner
Highland Woods	Alice W. Neebe
	Paul Neebe
	Paul Neebe
	Mary Turner
	Malcolm Forbes
	Natalia Lebedeva
	Gary Richman, Gail Wood
	Gail Wood
	Robert and Melissa Porter
	Robin Casey
	Joseph Clancy
	Ann Schwab
	Ann Schwab
	Seth Kingsbury
	Amanda Kingsbury
	Freeman and Angela Kirby
	Reed Johnson
	Reed Johnson
	Kay Johnson
	Rex Bartles
	Lisa Bartles
	Barnes Bierck
	Ann Alexander
	Lex 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	

Area	Resident or owner
	Angel Smith
	Smiths
Finley Forest	Adam Kimplead
	Cindy Underwood
	Dan Puckett
	David J. Polewka
	Kathryn Conard
	Michael Sharpe
	Rima Wehbe
	Julie Maness
Laurel Hill	Mike Ramsey
	Bob Wendell, Pres. Laurel Hill Association
	Carol David
	Pat Evans
	Ewan Rodewald and Sharon Hodge
	Marcella Grendler
	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
	AW Carr
	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 & David Jarrett

Area	Resident or owner
	Nadine O'Malley
	Mark Witcher
	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, Interim 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
	UNC Farm (Faculty Staff Recreation Association)
	Steve Reznick, UNC Farm Assoc.
	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
	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

Area	Resident or owner
	Sabrina Oliver, Town Clerk
	Amy Harvey, Public Affairs and Communications
	Larry Tucker, Engineering
	Chris Blue, Police Chief
	Jeff Clark, Patrol Captain
	Bryan Walker, Captain/Police Information
	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
	Billy Miller, PSNC
	Time Warner Cable
Orange County	Orange 911 Center Supervisor on duty
	Connie Pixley, Environmental Health Supervisor
Other	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)
January 2014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000	0.3404 ¹	0.0000	0.0000	0.0116 ²
February 2014	0.0002	0.0001	0.0073 ³	0.0001	0.0000	0.0199 ⁴	0.0011	0.0000	0.4327 ⁵	0.0000	0.0000	0.0000
March 2014	0.0023	0.0011	0.0574 ⁶	0.0000	0.0000	0.0000	0.0004	0.0000	0.1006 ⁷	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 January 13, 2014

² Maximum reading occurred on January 12, 2014

³ Maximum reading occurred on February 21, 2014

⁴ Maximum reading occurred on February 21, 2014

⁵ Maximum reading occurred on February 23, 2014

⁶ Maximum reading occurred on March 28, 2014

⁷ Maximum reading occurred on March 27, 2014