

JK-511

Stanton Homes
7 # 11-5-27202

Central Files: APS ___ SWP ___
02/14/12

Permit Number **WI0600091** **Permit Tracking Slip**

Program Category Ground Water	<i>New Well</i>	Status Active	Project Type New Project
Permit Type Injection Water Only GSHP Well System (5QW)		Version 1.00	Permit Classification Individual
Primary Reviewer eric.g.smith		Permit Contact Affiliation Jeff Jones Owner	
Coastal SW Rule		Lot 4 Woodlake Dr Fuquay Varina NC 27526	
Permitted Flow			

Facility

Facility Name Jeff Jones SFR	Major/Minor Minor	Region Fayetteville
Location Address Lot 4 Woodlake Dr		County Harnett
Fuquay Varina NC 27526	Facility Contact Affiliation	

Owner

Owner Name Jeff Jones	Owner Type Individual
	Owner Affiliation Jeff Jones Owner Lot 4 Woodlake Dr Fuquay Varina NC 27526

Dates/Events

Orig Issue 02/14/12	App Received 01/23/12	Draft Initiated	Scheduled Issuance	Public Notice	Issue 02/14/12	Effective 02/14/12	Expiration
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Regulated Activities

Heat Pump Injection
Private residence, single family

Outfall NULL

Waterbody Name	Stream Index Number	Current Class	Subbasin
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North Carolina Department of Environment and Natural Resources

Division of Water Quality

Charles Wakild, P.E.

Director

Dee Freeman
Secretary

Beverly Eaves Perdue
Governor

02/15/2012

Louis Agnolutto
Louis Heating & Cooling Services, Inc.
5813 Lease Ln.
Raleigh, NC 27617

Subject: Acknowledgement of Intent to Construct Type 5QW Injection Well System
Permit No. WI0600091
Lot 4 Woodlake
Fuquay Varina, NC 27526

Dear Mr. Agnolutto:

On 01/23/2012, the Aquifer Protection Section (APS) received notification of your intent to construct a closed-loop water-only geothermal injection well system for the operation of a ground-source heat pump located at the address referenced above. An individual permit is not required for the construction and operation of this type of geothermal injection well system as long as the following conditions are met:

1. The injection well system contains only potable water,
2. The injection well system is constructed in accordance with well construction standards specified in North Carolina Administrative Code Title 15A Section 2C Subchapter .0213, and
3. The required notification form and associated maps have been completely and accurately submitted.

Failure to comply with all of these conditions constitutes a violation of the North Carolina Well Construction Act and North Carolina Administrative Code Title 15A Section 2C Subchapter .0211(u)(2). Additionally, you should contact the Harnett County Health Department as they may have additional requirements for this type of system. Noncompliance with applicable state, county, or municipal rules and regulations may result in the assessment of civil penalties.

Please contact Mike Rogers at (919) 807-6406 or Michael.Rogers@ncdenr.gov if you have any questions.

Sincerely,

for Debra Watts
Supervisor

cc: Fayetteville Regional Office - APS
APS Central Files - Permit No. WI0600091
Harnett County Health Dept.
David J Brown (Yadkin Well Co., Inc., 1908 Hamptonville Rd., Hamptonville, NC 27020)
Jeff Jones-Owner (Lot 4 Woodlake, Fuquay Varina, NC 27526)

FACSIMILE TRANSMISSION FORM

DATE: 1/23/12 TIME: REF. NO. LOG NO.

TO: NC DENR (919) 807-6496
COMPANY NAME FAX NO.

ATTENTION: Tonya or Dita DEPT. PLEASE DELIVER IMMEDIATELY

FROM: Yackin Well Co (336) 468-4048
COMPANY NAME FAX NO.

INDIVIDUAL: David J Brown DEPT. PLEASE RUSH REPLY

NUMBER OF PAGES INCLUDING THIS SHEET: 5 PLEASE REPLY BY ORIGINATOR'S SIGNATURE

MESSAGE: 5 GW notification for Jeff Jones Job

Thanks
David

AMPAD RECORDER NO. 23-001 100 DUPLICATE SETS



"FOR ALL YOUR WATER NEEDS"
YACKIN WELL CO., INC.
1908 HAMPTONVILLE ROAD
HAMPTONVILLE, NC 27036
DAVID J. BROWN, VICE PRES

TOLL FREE (800) 248-9355
OFFICE (336) 468-4440
FAX (336) 468-4048
RES (336) 468-4659
"GOOD NEWS AMERICA - GOD LOVES YOU"

RECEIVED/DENR/DWG
Aquifer Protection Section
JAN 23 REC'D 2012

RECEIVED 01-23-'12 10:15 FROM-

PLEASE INFORM US IMMEDIATELY IF YOU DO NOT RECEIVE FACSIMILE IN FULL
TO- NC DENR P&S P001/005

W110600071

JAN 23 REC'D 2012

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (NCDENR)

**NOTIFICATION OF INTENT TO CONSTRUCT A CLOSED-LOOP GEOTHERMAL
WATER-ONLY INJECTION WELL SYSTEM:**

TYPE 5-OW WELL(S)

In Accordance with the provisions of NCAC Title 15A: 02C.0200, please complete this notification and mail to address on the back page (please Print or Type information).

DATE: Jan. 16, 2012

Well Type Confirmation: Does the proposed system circulate potable water only (no additives) in continuous piping that completely isolates the fluid from the environment (i.e. closed-loop)?

Yes X Continue completing this form.

No _____ Do Not complete this form. Complete other UIC application forms for installing either a 5A7 well (open-loop well injecting potable water into the aquifer) or a SQM well (closed-loop well containing additives such as R-22, ethanol, or other antifreeze or corrosion inhibitors).

A. PROPERTY OWNER(S)/APPLICANT(S)

List each Property Owner listed on property deed (if owned by a business or government agency, state name of entity and a representative w/authority for signature): Jeff Jones - owner

Stanton Homes - Builder
(no physical address assigned yet per Builder)

(1) Mailing Address: Lot 4 Woodlake
City: Fuquay Varina State: NC Zip Code: 27526 County: Harnett
Home/Office Tele No.: 919 278 8070 Cell No.: _____
Email Address: _____ Website: _____

(2) Physical Address of Well Site (if different than above): _____
City: _____ State: _____ Zip Code: _____ County: _____
Home/Office Tele No.: _____ Cell No.: _____

B. AUTHORIZED AGENT OF OWNER, IF ANY (If the Permit Applicant does not own the subject property, attach a letter from the property owner authorizing Agent to install and operate UIC well)

Company Name: Louis Heating & Cooling Svcs Inc
Contact Person: Louis Agnolitto EMAIL Address: louisair1@bellsouth.net
Address: 5813 Laurel Ln
City: Raleigh State: NC Zip Code: 27612 County: Wake
Office Tele No.: 919 781 8435 Cell No.: _____

Website Address of Company, if any: _____

C. WELL DRILLER INFORMATION

Company Name: Yadkin Well Co. Inc.
Well Driller Contractor's Name: Jody Mullis Matthew Brown Millon Cave
NC Contractor Certification No.: 2572-A 3036-A 3548-A
Contact Person: David J. Brown 2195-A EMAIL Address: chiefdriller@msn.com
Address: 1908 Hamptonville Rd.
City: Hamptonville N.C. Zip Code: 27020 County: Yadkin
Office Tele No.: 336-468-4440 Cell No.: 336-374-8736

D. HEAT PUMP CONTRACTOR INFORMATION (if different than driller)

Company Name: Louis Heating & Cooling Services Inc
Contact Person: Louis Agnolotto EMAIL Address: louisair1@bellsouth.net
Address: 5813 Lease Lane
City: Raleigh NC Zip Code: 27617 County: Wake
Office Tele No.: 919-781-8435 Cell No.: _____

E. STATUS OF APPLICANT

Private: Federal: _____ Commercial: _____
State: _____ Municipal: _____ Native American Lands: _____

F. INJECTION PROCEDURE (briefly describe how the injection well(s) will be used)

They will be used for closed loop
geothermal

G. WELL CONSTRUCTION DATA

(1) Proposed date to be constructed: _____ Number of borings: 3
Approximate depth of each boring (feet): 340
(2) Type of tubing to be used (copper, PVC, etc): Poly used for geothermal
(3) Well casing. Is the well(s) cased? (check either (a.) Yes or (b.) No below) Purposes only.
(a) Yes _____ if yes, then provide casing information below
Type: galvanized steel black steel _____ plastic _____ other (specify) _____
Casing depth: From _____ to _____ feet (reference to land surface)
Casing extends to above ground _____ inches
(b) No
(4) Grout info (material surrounding well casing and/or piping): Thermally Enhanced
(a) Grout type: Neat Cement _____ Bentonite Other (specify) _____
(b) Grout placement: Pumping Pressure _____ Other _____
(c) Grout depth of boring (reference to land surface) _____ to _____ (ft)
if well has casing, indicate grout depth: from _____ to _____ (ft)

H. INJECTION-RELATED EQUIPMENT

Attach a diagram showing the engineering layout or proposed modification of the injection equipment and exterior piping/tubing associated with the injection operation. The manufacturer's brochure may provide supplementary information.

I. LOCATION OF WELL(S)

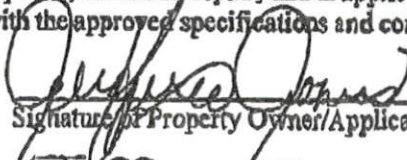
Attach two copies of maps showing the following information:

- (1) Include a Site Map (can be drawn) showing: buildings, property lines, surface water bodies, potential sources of groundwater contamination and the orientation of and distances between the proposed well(s) and any existing well(s) or waste disposal facilities such as septic tanks or drain fields located within 200 feet of the geothermal heat pump well system. Label all features clearly and include a north arrow.
- (2) The Site Map must show the subject property in relation to the surrounding area by using at least two fixed reference points such as roads, streams, and/or highway intersections.

J. CERTIFICATION

Note: This Permit Application must be signed by each person appearing on the recorded legal property deed.

"I hereby certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this document and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining said information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties, including the possibility of fines and imprisonment, for submitting false information. I agree to construct, operate, maintain, repair, and if applicable, abandon the injection well and all related appurtenances in accordance with the approved specifications and conditions of the Permit."



 Signature of Property Owner/Applicant
 Jeffrey Jones

 Print or Type Full Name and title

 Signature of Property Owner/Applicant

 Print or Type Full Name and title

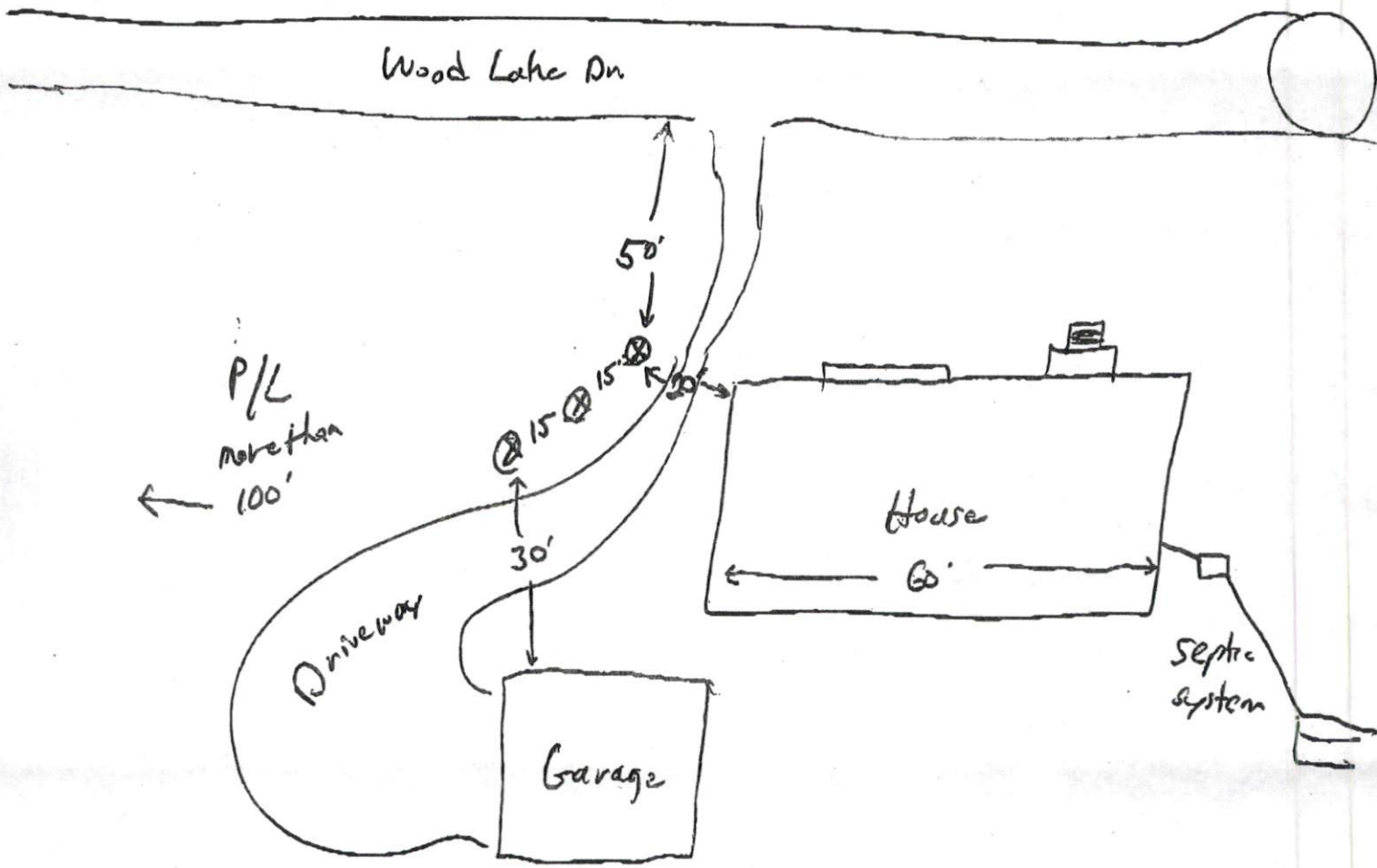
 Signature of Authorized Agent, if any

 Print or Type Full Name and title

RECEIVED / DENR / DWQ
 Aquifer Protection Section
 JAN 23 REC'D 2012

Please return two copies of the completed Application package to:

North Carolina DENR-DWQ
 Aquifer Protection Section-UNC Program
 1676 Mail Service Center
 Raleigh, NC 27699-1636
Telephone (919) 715-6935



city water
no
water
well