C 1 7002 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY (3) A5/8599
ST/CO USE ONLY DATE WELL COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY MM DD YY	22 400 26 7. 20 (TO NEAREST FOOT) 0 L	(DR) HO-95-0726
OWNER Peddicord	David	28 28 30 31 32 33 34 33 36 37
STREET OR RFD She poord A	Japar Drive first name TOWN	Ellicott City
SUBDIVISION Sheppard May	SECTION	LOT 4
WELL LOG ⁹ Not required for driven wells	GROUTING RECORD WELL HAS BEEN GROUTED VERY APPROPRIES BOWN	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	(Circle Appropriate Box)	PUMPING TEST
FEET check	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 45 549 0	PUMPING RATE (gal. per min.)
Brown 0 34	GALLONS OF WATER / ZO DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE 1906.
Sand-MUD	from 0 ft. to 38 ft.	WATER LEVEL (distance from land surface)
	(enter 0 if from surface)	
Gray, 34 400 V	casing types CASING RECORD	BEFORE PUMPING 5 ft.
Lineston	insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
	code below PLASTIC OTHER	TYPE OF PUMP USED (for test)
	MAIN Nominal diameter Total depth	A air P piston T turbine
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe
	5T 06 4 Z	27 27 below)
O Cerrent 0 50	E OTHER CASING (if used)	J jet Submersible
	A diameter depth (feet)	
(uthings 50 400	S	PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)
	ğ	IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A.C. J. P. R. S. T. O.) 29
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY:
	(appropriate code below) BRONZE P L O T	GALLONS PER MINUTE (to nearest gallon) 31 35
	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED YES NO	E 1 HO 42 400 A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C H 2 23 24 26 30 32 36	49 LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest)
P TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 45 47 51 E E SLOT SIZE 1 2 3	49 50 51 A LOCATION OF WELL ON LOT
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	E SLOT SIZE 1 2 3 DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	OF SCREEN (NCH)	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS-LIC. NO.1 M SD 009	GRAVEL PACK	
alle Cent	IF WELL DRILLED WAS FLOWING WELL	W 75 721
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE LISE ONLY	1 113
LIC. NO.1 D 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	
	70 72	●
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76	
responsible for shawork it unifient from permitted)	CASING INDICATOR OTHER DATA	

B 1 5819 SEQUENCE NO.	STATE OF	MARYLAND	STATE PERMIT NUMBER
1 2 3 6 (MDE USE ONLY)	APPLICATION FOR PL	ERMIT TO DRILL WELL	HO-95-0726
	526205 pleas	e type	70 fill in this form completely 79
Date Received (APA)		B 3 \\	LOCATION OF WELL
8 MM DD YY 13	RMATION	8 COUNTY	21
15 Last Name Owner	First Name 34	5 SUBDIVISION	d Manor
15485 Harpers Far	m Rd.	SECTION L 44 46	LOT 48 50
Columbia rd.	21044 72 Zip 76	52 NEAREST TOWN	rendship 71
DRILLER INFORMATION		MILES FROM TOWN (enter	0 if in town) L 5 M L
Driller's Name 76	M D 0 0 9 5 6 License No. 81	B 4	73 76 77 78
Firm Name Jes Well Drill	ling	1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30
Address Address	77.07	N N N N N N N N N N N N N N N N N N N	ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
Signature Cryp	Date	W TOWN E	34 2000 37 SOUTH
B 2 WELL INFORMATION APPROX. PUMPING RATE — (GAL. PER MIN.)	5 12	8 8	DISTANCE FROM ROAD ENTER FT OR MI 38 39
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14	500	S _W S S S S S S S S S S S S S S S S S S S	TAX MAP: <u>29</u> BLK: <u>1</u> PARCEL <u>268</u>
USE FOR WATER (CIRCLE API	PROPRIATE BOX)		BE FILLED IN BY DRILLER DEPARTMENT APPROVAL
D DOMESTIC POTABLE SUPPLY & RESIDEN	ITIAL	Howard	(13) A5/8599
FARMING (LIVESTOCK WATERING & AGRI	CULTURAL	COUNTY NAME STATE	COUNTY NO.
22 INDUSTRIAL, COMMERICIAL, DEWATERIN	IG	SIGNATURE	INSERT S → 41
P PUBLIC WATER SUPPLY WELL		DATE ISSUED	100 Baber 2/28/2008
T TEST, OBSERVATION, MONITORING		43 MM DD YY 48	CO SIGNATURE EXP. DATE
G GEO-THERMAL		NORTH 5/5 0 0	0 0 EAST 8/8 0 0 0 55 63
		SHOW MAJOR FEATURES	
APPROXIMATE DEPTH OF WELL 24	S FEET 28	BOX & LOCATE WELL ' WITH AN X	
APPROXIMATE DIAMETER OF WELL	NEAREST INCH	SOURCES OF DRILLING W 1.	
METHOD OF DRILLING	(circle one)	2. 3.	Sample Collected &
BORED (or Augered) JETTED	Jetted & DRIVEN		@ Yield on
37 CABLE REVerse-ROTary	ROTARY (Hydraulic Rotary) DRive-POINT	FROM THE MAP HERE	4/18/07 (120)
other	<u> </u>	FROM THE MAP HERE	apsu.
REPLACEMENT OR DEEPE (CIRCLE APPROPRIATE		E 8100	000
N THIS WELL WILL NOT REPLACE AN EXISTII		N 5105	
THIS WELL WILL REPLACE A WELL THAT V ABANDONED AND SEALED	VILL BE	RELATION TO NEARBY TO	SHOWING LOCATION OF WELL IN WNS AND ROADS AND GIVE
THIS WELL WILL REPLACE A WELL THAT V AS A STANDBY-CONTACT LOCAL APPROVI FOR POLICY ON STANDBY WELLS			NEAREST ROAD JUNCTION
D THIS WELL WILL DEEPEN AN EXISTING WE		\cdot\(\dot\)	My Quarke
PERMIT NUMBER OF WELL TO BE REPLACED OF (IF AVAILABLE) 41			
Not to be filled in by driller (MDE OR Co		PR PR	ard lane by
APPROP. PERMIT NUMBER #1020	25G007	57	"Ruoc
PERMIT No. 10 -	-7 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	Approved Share	d Septic Plan
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED	+ Must Collec	+ Water Samo	Ce During Yield Test @

Page	of	
Date		

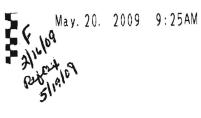
Review	

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Locat	Permit No. HO - 95-0726 tion of property (road) Sheppard Manor Drive
Subdi	ivision Sheppard Manar Lot 4 Block Plat Sec
Well	Driller Compton / Fogles Owner David Peddicord
	Depth of well
I.	High rate pumping reservoir drawdown Time pump started 8.00 Pumping rate 15 Total time 15 MID to reach pumping water level 150 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

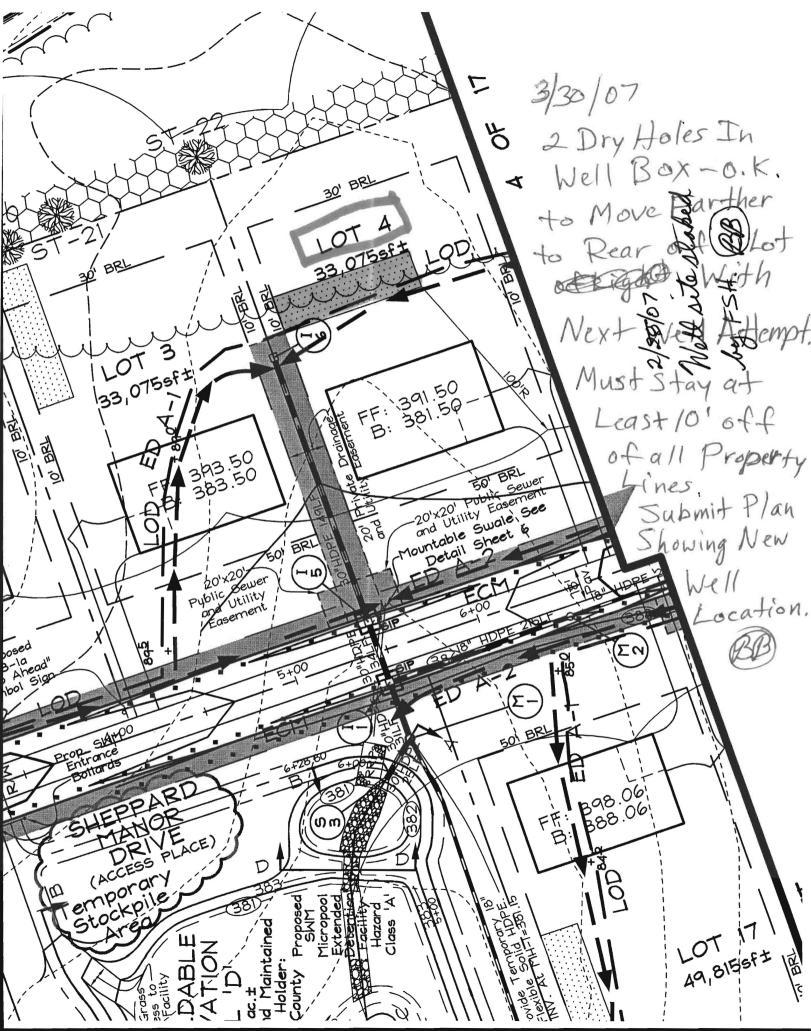
TIME (in 15 minute in- tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill #/ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8100	3	4		15
8:15	150	15		4
8,30	150	15		4
8:45	150	15		4
9500	150	15		4
9:15	150	15		4
9:30	150	15		4
9745	150	15		4
10.00	150	15		4
10:05	150	15		4
10:30	150	15		4
10,45	150	15		4
11:00	150	15		4
11:15	150	15		4



HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH WATER AND SEWERAGE PROGRAM TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired
inspection. No work is to be covered until approved by the Health Department. All installations must comply
with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well
Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.
Company Name: Fooles (No. 1) Oct Hans (1) O. Talantana M. (1) (1) (1) (1)
Company Name: toples Well Drilling II C Telephone #: 443-669-4195
Address: Jacob 3 Wordhing, 200
Woodbine, Ma 21292
(Must circle one) Licensed Plumber Scensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Alken Comoton : License# MSD 009
*A licensed individual must perform the actual installation. Apprentices must be under the direct
supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be
subjected to field verification.
Name of Property Owner: (1) 1110005 burg Homes Telephone #: 410. 977-8800
Subdivision: She occurred manage Lot #: 4 Well Tag #: HO - 95- 0726
Site Address: 4615 Sugard March 102
Ellicott City Dod 21043
Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Correction Two piece watertight cap: 485
Model #: 15 x 6 15 290 Model#: NA Screened, vented well cap: 405
Pump Capacity 15 GPM Depth: 36 (36" min) Cap secured to casing: 4.5
Well Yield: 4 OPM NSF approved: 43 Conduit min 18" B.O.: 185
Depth of well encountered at time of pump installation: 400 (feet) Conduit secured to well cap: 475
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye boit NA
Piping to house House Connection
Ploing to house House Connection Type: 1 10000 Plastic Plastic PVC sleeved to undisturbed soil at wall penetration: 405
PSI: 160 (160 psi min) Approximate length of sleeve (5 foot minimum): 5
TOO TOO PER AMEN
Depth of supply line:(36" min) Sleeve caulked and sealed properly:
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping.
distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for
approval prior to installation.
aller Compton 2/16/09
Signature of company representative responsible for installation date
Signature of company representative responsible for manualou offe
For Health Department Use Only - Not to be completed by Installer
2/2/26 (V.)
Date Insp. Requested: Date Insp. Approved:
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Blec, conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adamsta mout observed below nitless adaptes



3525 H Ellicott Mills Drive (410) 313-2640 TDD (410) 313-2323

Ellicott City, MD 21043
 Fax (410) 313-2648
 Toll Free 1-866-313-6300

website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

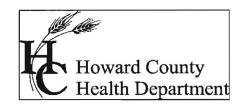
ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

The	well site	has been s	staked by _	FSH	Associa	des
on _	1-8	6-07	and is	ready for	site inspe	ection.
			will co	all the He	ealth Depa	rtment
for	a time to	meet in th	e field to v	verify a w	vell locatio	n.
Site	plan for	new well is	attached	to well pe	ermit appli	cation.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN



Bureau of Environmental Health

7178 Columbia Gateway Drive Columbia, Maryland 21046-2132 (410) 313-2640

TDD (410) 313-2323

Fax (410) 313-2648

Toll Free 1-866-313-6300

website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

May 20, 2009

Williamsburg Group LLC 5485 Harpers Farm Road, #200 Columbia, MD 21044

FAX SENT VIA FACSIMILE 410-997-4358

RE:

Sheppard Manor, Lot 4 4615 Sheppard Manor Drive

Ellicott City, MD 21042

BP# B08002955

Well Tag #: HO-95-0726

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on 05/14/2009. Final approval of the well line connection to the dwelling was approved on 02/17/2009.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

Gross Alpha and Beta samples were also collected on 04/18/2007. Both findings were below the maximum limit suggested by the EPA. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses. No addition testing for these parameters will be required to secure the future Use and Occupancy.

Enclosed with this certificate, are copies of the septic permit and the septic as-built, along with important information regarding the use and maintenance of your septic system. Please read through carefully and thoroughly. Any questions regarding your well and/or septic, please call this office for guidance 410-313-1771.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-95-0726. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. Please contact (410) 313-1792 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.

Date of Water Samples:

04/02/2009

Date of Samples for Gross Alpha & Gross Beta:

04/18/2007

Date of Well Completion:

04/18/2007

Approving Authority,

Stuart Oster, R. S.

Well & Septic Program

cc:

Building Inspector's Office Community Health Services

File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1418 Old Taneytown Rd. Westininster, MD (410) 848-1014 (410) 875-4554 FAX:(810) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:

Date/Time Rec'd:

Date/ Time Collected: 4/2/2009

70649

Account #:

Reference: Location:

Williamsburg Group LLC

4615 Sheppard Manor Drive

Ellicott City, MD 21042

1025 1212

Total: ND 6176JY

Treatment: nH:

Source:

Site:

Company:

6.8

Chlorine ppin: Collected By:

Free: ND J. Yeager

4/2/2009

Well #:

1-10-95-0726

Williamsburg Group LLC

4470

Requested By: Chip Lundy/ Bob Corbett

None

Well Water

Pressure Tank

PARAMETERS	RESULTS	UNITS REI	FERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN			<1.0	SM18 9223	4/2/2009 / 0830 / BCD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	4/2/2009 / 0830 / BCD
Nitrate	5.84	mg/l.	10	601	4/3/2009 / 1115 / CCH
Turbidity	5.99	NTU	<10	SM18 2130B	4/3/2009 / 0830 / CC11
Sand	NS	וושַחו.	5	Visual/Gravimetr	4/3/2009 / 0800 / CCH

NOTES

- mg/L = milligrams per liter (also, parts per million) 1
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- NS = None Seen (NS indicates less than 5 mg/L) 3
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- pl-I tested on-site

Reason for Test:

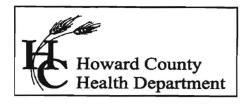
Use & Occupancy

Building Permit #:

08002955

Date Reported:

4/3/2009



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

July 5, 2007

Williamsburg Group LLC 5485 Harpers Farm Road Columbia, Maryland 21044

> RE: Sheppard Manor, Lot 4 Well Tag: HO-95-0726

To Whom it May Concern::

A sample was collected from a yield test on April 18, 2007 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of Gross Alpha and Gross Beta in the future well water supply. Gross Alpha and Gross Beta measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a Gross Alpha of 6.0 ± 2.0 picocuries/liter (pCi/L); while the Gross Beta level was 5.0 ± 2.0 pCi/L. The Gross Alpha result was below its maximum contaminant level (MCL) of 15 pCi/L, while the Gross Beta level was below its target value of 50 pCi/L (roughly equivalent to the annual dose rate of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use & Occupancy. However, other standard (potability) testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely

Bert Nixon, Deputy Director
Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater Well & Septic File

138	Report To:	DHMH - Lab Division of E	e of Maryland oratories Administration nvironmental Chemistry N LABORATORY		
			et, Baltimore, Maryland 2 Boy, Dr. P.H., Direct		
		LABORATORY	ANALYSIS REC	QUEST	
Samp	le Bottle No. A: Ho-9	5-0726 No. B:	_ Field Blank Bo	ottle No. A:	No. B:
		of Minor Lo	t 4	County: How	erd.
		1 money Dr			-6
	CK (one per box)	Plant No.	Source (raw water)	Emerger Routine]
Stream	m 🗆	Private Other	Distribution (treated) MCL	Recheck Special	
Nitrio	Collected:/	S No D Federal Project:	Iced: Yes		
Rema	orks: Sample	Taken @	yreld tost	pri Ci	nlorine
	Test	Taken @) EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
Rema					Date Reported
	Test	EPA Code		Results (pCi/L)	Date Reported
	Test Gross Alpha	EPA Code 4000		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222	EPA Code 4000 4100		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222	EPA Code 4000 4100 4004		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222 Bottle B	EPA Code 4000 4100 4004 4004		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222 Bottle B Field Blank A	EPA Code 4000 4100 4004 4004 4004		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222 Bottle B Field Blank A Field Blank B	EPA Code 4000 4100 4004 4004 4004		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222 Bottle B Field Blank A Field Blank B Tritium	EPA Code 4000 4100 4004 4004 4004 4004		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222 Bottle B Field Blank A Field Blank B Tritium Ra - 226	EPA Code 4000 4100 4004 4004 4004 4004 4004		Results (pCi/L)	Date Reported
	Test Gross Alpha Gross Beta Radon-222 Bottle A Radon-222 Bottle B Field Blank A Field Blank B Tritium Ra - 226 Ra - 228	EPA Code 4000 4100 4004 4004 4004 4004 4004 4000 4030		Results (pCi/L)	Date Reported

Supervisor:_ FORM REVISED 02/06 DHMH 4540 02/06

• Tel. No.: (410) 767-5537 • Fax. No.: (410) 333-5373

CUSTOMER COPY I