



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____
 AGENCY REVIEW: _____ DATE 3/9/04

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Hartzell, Scott
 DAYTIME PHONE _____ CELL 443-864-0596 FAX _____
 MAILING ADDRESS 12054 Hall Shop Rd
 STREET CITY/TOWN STATE ZIP

APPLICANT _____
 DAYTIME PHONE _____ CELL _____ FAX _____
 MAILING ADDRESS _____
 STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME _____ LOT NO. _____
 PROPERTY ADDRESS _____
 STREET TOWN/POST OFFICE
 TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. _____
 SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P

(A)

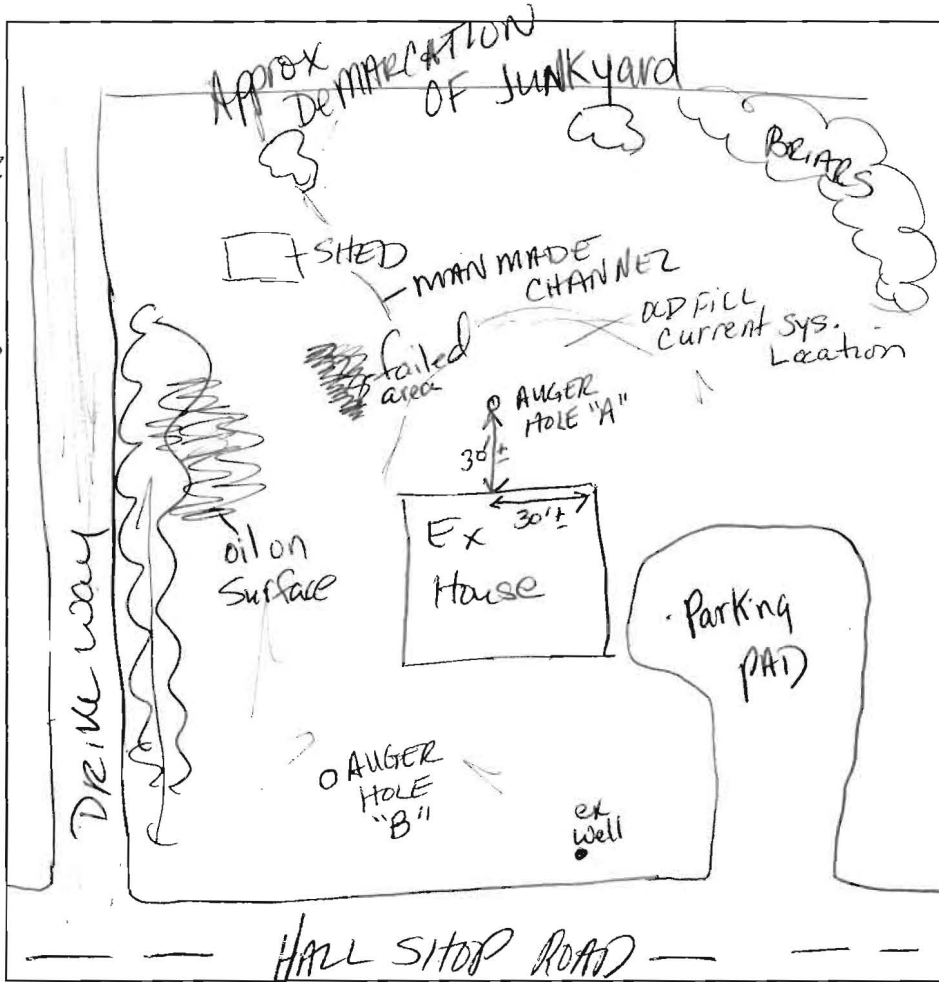
brn
Si Loam
Some mica 0-7"
15%?

rd brn
w/white
micac.
Si L 7" to
12"

rd, brn,
white,
grey
mottles 12" to
18"

Verigated
micac. L

Very moist
& grey,
wk rd brn
Strong org
micac Loam 18"
to
24"



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
	(A)	18" 18" to 24"					

(B)

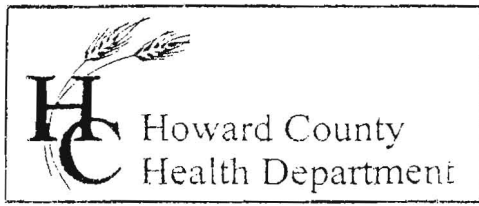
Black
topsoil 5"
Bm
Si CL
to 20"
water
in hole
@ 20"

REMARKS 3/19/04 GROUND SATURATED

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SBA KN / BS AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

February 23, 2004

Mr. & Mrs. Hartzell
12054 Hall Shop Road
Clarksville, MD 21029

Re: Sand Mound Testing Results
12054 Hall Shop Road

Dear Mr. & Mrs. Hartzell:

On February 18, 2004 sand mound testing was conducted on your property and yielded unsatisfactory results. Water table and excessive surface water run-off identified at two feet below ground surface and extremely slow sand mound percolation testing rates disqualifies the option of a sand mound as a septic repair.

Included is a letter/agreement which needs to be filled out and returned to our office in order for the installation of a 2,500 gallon holding tank. An overflow alarm must be installed at the time of holding tank installation.

Our records indicate a \$25.00 repair fee has been paid, receipt # 52006-B, however the \$180.00 fee for holding tank installation is needed. Please send us a check paid to the Director of Finance for the said amount at your earliest convenience. Upon payment of installation, a holding tank agreement and permit will be issued.

As an additional note, increase in house size will not be allowed until public sewer is available to the property. Additionally, review of any future building permits for non-living structures (garages) must maintain a 20-foot setback from the holding tank. If you have any questions regarding this matter, please do not hesitate to call me 410-313-1771. Thank you for your time and patience in this important health concern.

Sincerely,

Kacie Noonan, R.S.
Well and Septic Program

KN

Cc: file

Final Copy

TEST DATA

NAME <u>Hartzell Property</u>	FILE NO <u>P520026-B</u>
LOCATION <u>12054 Hall Shop Road</u>	COUNTY _____
DATE <u>2/18/04</u>	GRID _____
RECORDED BY <u>Kacie</u>	

HOLE NO.	TEST NO. <i>Test level</i>	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
①	1'5" bottom water level	9'16/16				
		poured 10 ² /16	10:05	0	10 ² /16	
			10:35	30	10 ¹ /16	Δ 1/16
			10:50	15	10 ¹ /16	No Movement
			11:05	15	10 ¹ /16	No Movement
		11:20	15	10 ¹ /16	No Movement	
<p><u>Hole locations</u></p> <p style="text-align: center;">NOT TO SCALE</p>						
<p><u>Soil Profile</u></p> <p>Topsoil _____ 4"</p> <p>Strong brn CLL pockets SiL some mica Massive _____ 1 1/2'</p> <p>Decayed Rock, HARD Saprolite stony size & 15% Sbk crumbly frags bluish redbrn mottled _____ 2'10"</p> <p style="text-align: center;">Bottom</p>						

TEST DATA

NAME Hartzell Property FILE NO P520026-B
 LOCATION 12054 Hall Shop Road COUNTY _____
 DATE 2/18/04
 GRID _____ E _____
 RECORDED BY Kacie _____ N _____

HOLE NO.	TEST NO. TEST LEVEL	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
②	6"	9 ¹⁶ / ₁₆	10:24 ²⁰	0	9 ¹⁶ / ₁₆	<u>Soil Profile Below</u>
			10:38 ⁴⁰	15min	9 ¹⁵ / ₁₆	Δ'/16
			10:53	15min	9 ¹⁵ / ₁₆	No Movement
			11:08	15min	9 ¹⁵ / ₁₆	No Movement
			11:23	15min	9 ¹⁴ / ₁₆	Δ'/16
						<p>Soil Profile</p> <p>v. friable crumbly organic topsoil 5"</p> <p>yellow, yellow brn</p> <p>Sticky, wet</p> <p>compact massive silty loam 1'10"</p> <p>some bluish micaceous sand</p> <p>water seepage 2 1/2'</p> <p>filled by 10:55 or so strong red red brn, greyish w/ some blue</p> <p>3 1/2'</p> <p>granular</p>



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 1/21/04 TEST TIME _____ AP# 5 20026-B
 AGENCY REVIEW: failing system to repair DATE 1/21/04

DO NOT WRITE ABOVE THIS LINE

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PROPERTY OWNER(S) The Hartzel Family

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 12054 Hall Shop Rd.
STREET CITY/TOWN STATE ZIP

APPLICANT Hartfields

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME N/A LOT NO. N/A

PROPERTY ADDRESS 12054 Hall Shop Road
STREET TOWN/POST OFFICE

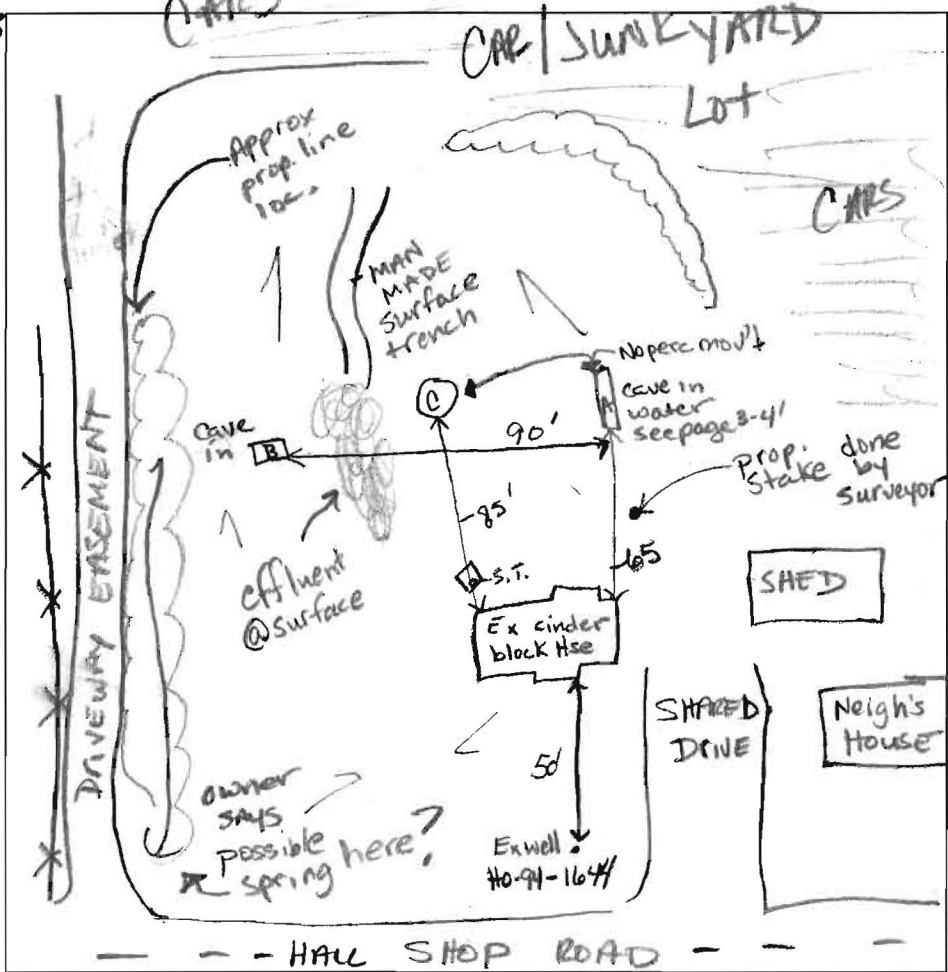
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AP 520026-B



Str rd brn compacted heavy Lm 4'

gleyish white, somewhat sticky SiL, v. micaceous friable, wk platy compacted Rx < 5%

7-8'

Str rd, micac SL v. fr. when dug but compacted as soil layer

9'

str rd, yellow brn micac LS-S m-l grained

15'

Bottom No Water

caved in →

caved in →

Not Sure where prop steps Adj to Junkyard

② densely packed topsoil

4" rd brn sticky CLL - SiCLL Ribbons 1 3/4"

14"

perc hole dug easily but no water mov't very sticky when wet.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H	
1/21/04	①	5' / 15' B	10:42	H ₂ O - no mov't, then MASSIVE cave-in				
	②	Saturated soils s:Loam-L					2-5' caved in	
	③	14"	11:10 - 11:38		1/16" mov't			
			11:38 - 12:16		No mov't			
		No evidence of water in bottom.						
		Perched H ₂ O table? ~ 3-4'						
		SEE DETAILED SOIL PROFILES ON back of site insp sheet						

②

Str red dk brn brn micac SL med gr. single grains tightly packed

Strong red, red SCL Some mica

4'

vfr platy structure tightly packed Red, yellow, white LS - barely holds ball shape

Cave-in 14" ? bottom

packets of Si & Sil

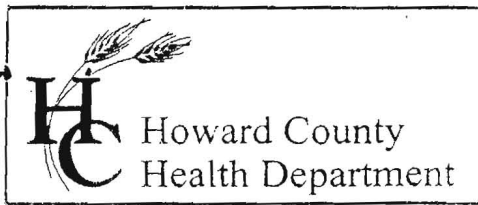
REMARKS snow ~ 1" deep, sunny, 20°F

SANITARIAN KN BACKHOE HATFIELDS OTHERS

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

6' str. red, v. micac LS-S SEE PREVIOUS NOTES - SEPTIC NEVER APPROVED. 79 holes dug



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(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

February 9, 2004

Mr. & Mrs. Hartzel
12054 Hall Shop Road
Clarksville, MD 21029


Re: Link Deposit Loans

Dear Mr. and Mrs. Hartzel:

Enclosed is a copy of an application for the Linked Deposit Certificate of Qualification. Please fill out the top portion highlighted in yellow. Attached is a list of banks that have signed up for the program. Please contact one of the lenders. If they need more information to process your request, please refer them to Maryland Water Quality Financing Administration at 410-537-3319.

Also, the amount for the project is not known at this time. Please call our office when you will have a backhoe ready for sand mound testing. If the sand mound testing does not pass testing standards, we think another option would be to dig another confirmation hole near your existing small shed near the rear left corner of the lot to identify septic treatment area, and install a curtain drain to curtail surface water from running into the proposed location for septic treatment area.

Thank you for your time in this important matter. We will do everything possible to find the least costly solution while aiming to protect the groundwater from septic contamination. If you have any questions, do not hesitate to call me directly at 410-313-2694.

Sincerely,

Kacie Noonan, R.S.
Well and Septic Program

KN

Cc: file

Linked Deposit - List of Lenders Participating in the Program

Lender/ Bank	Address	City	State	Zip	Telephone
Bank of America Attn: Mr. Woodward	10 Light Street	Baltimore	MD	21201	410-605-5291
Centreville National Bank Attn: Ralph F. Twilley	PO Box 400	Centreville	MD	21617	410-758-1600
Columbia Bank Attn: William McCubbin	10480 Little Patuxent Pkwy.	Columbia	MD	21044	410-730-5000
County Banking & Trust Attn: Mark R. Hutton, VP	PO Box 100	Elkton	MD	21922	410-398-2600
Farmers & Mechanics National Bank (Damascus) Attn: Patrick M. Shurney	26203 Ridge Road	Damascus	MD	20872	301-253-3124
First Mariner Bank Attn: J. Rodney Baker	1801 S. Clinton Street	Baltimore	MD	21224	410-558-4163
Potomac Valley Bank Attn: Patricia Oliphant	702 Russell Avenue	Gaithersburg	MD	20877	301-963-7627
St. Michaels Bank Attn: Ann L. Bedient	PO Box 70	St. Michaels	MD	21663	410-820-8254

Linked Deposit - List of Eligible Lenders

Note: Applicants may apply to any branch office of a lender listed below.

Bank/Lender	Address	City	State	Zip	Telephone
Advance Federal Savings and Loan Assn.	1405 E. Cold Spring Lane	Baltimore	MD	21239	410-323-9570
Allfirst Banking	PO Box 1792	Baltimore	MD	21203	800-842-2265
Annapolis Banking & Trust Company	PO Box 311	Annapolis	MD	21404	410-628-2485
Annapolis National Bank	180 Admiral Cochrane Dr, Suite 300	Annapolis	MD	21401	410-224-4455
Atlantic Bank	4604 Coastal Hwy.	Ocean City	MD	21842	410-524-7333
Bank of America	10 Light Street	Baltimore	MD	21202	410-605-5291
Bank of Eastern Shore	301 Crusader Road	Cambridge	MD	21613	410-228-5800
Bank of Southern Maryland	PO Box 2950	LaPlata	MD	20646	301-934-1000
Branch Banking & Trust (formerly FCNB)	7200 Bank Court	Frederick	MD	21703	301-624-2389
Calvin B. Taylor Bank	PO Box 5	Berlin	MD	21811	410-641-1700
Cecil Federal Savings Bank	135 North Street	Elkton	MD	21922	410-398-1650
Centreville National Bank	PO Box 400	Centreville	MD	21617	410-758-1600
Cheasapeake Bank & Trust	245 High Street	Chestertown	MD	21620	410-778-2400
Chestertown Bank of Maryland	PO Box 60	Chestertown	MD	21620	410-778-6110
Chevy Chase Bank	8401 Connecticut Avenue	Chevy Chase	MD	20815	301-986-7137
Citizens National Bank	390 Main Street	Laurel	MD	20707	301-497-6239
Columbia Bank	9151 Baltimore National Pike	Ellicott City	MD	21042	410-465-4800
County Banking & Trust Company	PO Box 100	Elkton	MD	21922	410-620-0124
Enterprise Federal Savings Bank	98200 Vassel Court, Suite 305	Largo	MD	20774	301-773-9720
Farmers & Mechanics National Bank	PO Box 518	Frederick	MD	21705	301-694-4000
Farmers & Merchants Bank and Trust	59 Washington Street	Hagerstown	MD	21740	301-790-6522
Farmers Bank	PO Box 70	Greensboro	MD	21639	410-482-8921
Fidelity Bank	28 Washington Street	Cumberland	MD	21502	301-722-2100
First Mariner Bank	1801 S Clinton Street	Baltimore	MD	21224	410-558-4163
First National Bank of St. Mary's	PO Box 655	Leonardtown	MD	20650	888-857-7070
First Union National Bank	St. Paul & Baltimore Streets	Baltimore	MD	21202	800-566-3862
First United National Bank & Trust	PO Box 9	Oakland	MD	21550	301-334-4715
Forest Hill State Bank	PO Box 1307	Bel Air	MD	21014	410-879-1475
Fredericktown Bank & trust	PO Box 510	Frederick	MD	21701	301-662-8231

Hagerstown Trust Company	83 W. Washington Street	Hagerstown	MD	21740	301-739-0850
Harbor Bank	3240 Bel Air Road	Baltimore	MD	21213	888-833-7114
Heritage Savings Bank	1505 York Road	Lutherville	MD	21093	410-583-8700
Industrial Bank, N.A.	4812 Georgia Ave, NW	Washington	MD	20011	202-722-2000
Keystone Financial Bank (Mfg's and Trading)	32 N Potomac Street	Hagerstown	MD	21740	301-393-3484
Mercantile Safe Deposit & Trust Co.	2 Hopkins Plaza	Baltimore	MD	21203	410-237-5758
National Bank of Cambridge	306 High Street	Cambridge	MD	21613	410-228-5600
Peninsula Bank	PO Box 219	Princess Anne	MD	21853	410-651-2400
Peoples Bank of Elkton	130 North Street	Elkton	MD	21921	410-398-3900
Peoples Bank	207 Market Street	Denton	MD	21629	410-479-2600
Permanent Bank & Trust Co.	9612 Reisterstown Road	Owings Mills	MD	21117	410-356-4411
Potomac Valley Bank	702 Russell Avenue	Gaithersburg	MD	20877	301-963-7627
Prince Georges Federal Savings Bank	14804 Pratt Street	Upper Marlboro	MD	20772	301-627-3504
Provident Bank of Maryland	114 E. Lexington Street	Baltimore	MD	20202	410-726-5363
Sandy Spring Bank	26250 Ridge Road	Damascus	MD	20872	301-253-0133
St. Michaels Bank	PO Box 70	St. Michaels	MD	21663	410-820-8600
Sun Trust Bank	1300 N. Charles Street	Baltimore	MD	20202	888-786-8787
Talbot Bank of Easton	PO Box 949	Easton	MD	21601	410-822-1400
Westminster Union Bank	111 E. Main Street	Westminster	MD	21157	888-820-5500

**MARYLAND WATER QUALITY FINANCING ADMINISTRATION
LINKED DEPOSIT CERTIFICATE OF QUALIFICATION
NONPOINT SOURCE WATER POLLUTION CONTROL PROJECTS**

Name of Borrower:	Telephone Number:
Social Security or Federal ID Number:	Estimated Project Completion Date:
Mailing Address of Borrower:	Address of Project Site:
Project Description (include description of how loan funds will be used):	
Total Project Cost:	Requested Loan Amount:
Borrower Certification: The borrower certifies that the Linked Deposit Program loan proceeds shall be used for the sole purpose of the project as approved by the Administration. The Administration reserves the right to demand the loan be repaid in full upon written notification, if it is determined that the funds were not used for the approved project or the project construction was unreasonably delayed. The borrower also agrees to allow access to the project site.	
Borrower's Signature	Date

- This project is eligible under the Maryland Water Quality Revolving Loan Fund Linked Deposit Program.
- The _____ (Local Approving Authority) will:

- inspect and monitor proper installation of these eligible components and others related to the implementation of the project; or
- accept in lieu a set of certified as-built drawings.

Kacie Noonan, R.S.
Signature (Local Approving Authority Official)

2/9/04
Date

Kacie Noonan
Name (Local Approving Authority Official)

Registered
Title SANITARIAN

410-313-1771
Phone Number

The Maryland Department of the Environment certifies that:

This project is eligible for loan from the Maryland WQRLF as noted in the Maryland Non-point Source Management Program (CWA Section 319) and the approved Intended Use Plan.

Signature (Maryland Department of the Environment Official)

Date

Name (MDE Official)

Title

Phone Number

Issuance of this Certificate of Qualification: a. shall not be deemed to be included in, or imply, an evaluation of credit worthiness of this applicant, or to constitute a recommendation that a loan be made, b. shall in no way be deemed to be a guarantee of any payment due from any eligible applicant to any participating bank, and c. does not relieve the applicant from acquiring all necessary federal, state, and local permits for the project.

**Lender should contact the Maryland Water Quality Financing Administration,
Maryland Department of the Environment, at 410-537-3119 for additional information.
<http://www.mde.state.md.us/wqfa>**