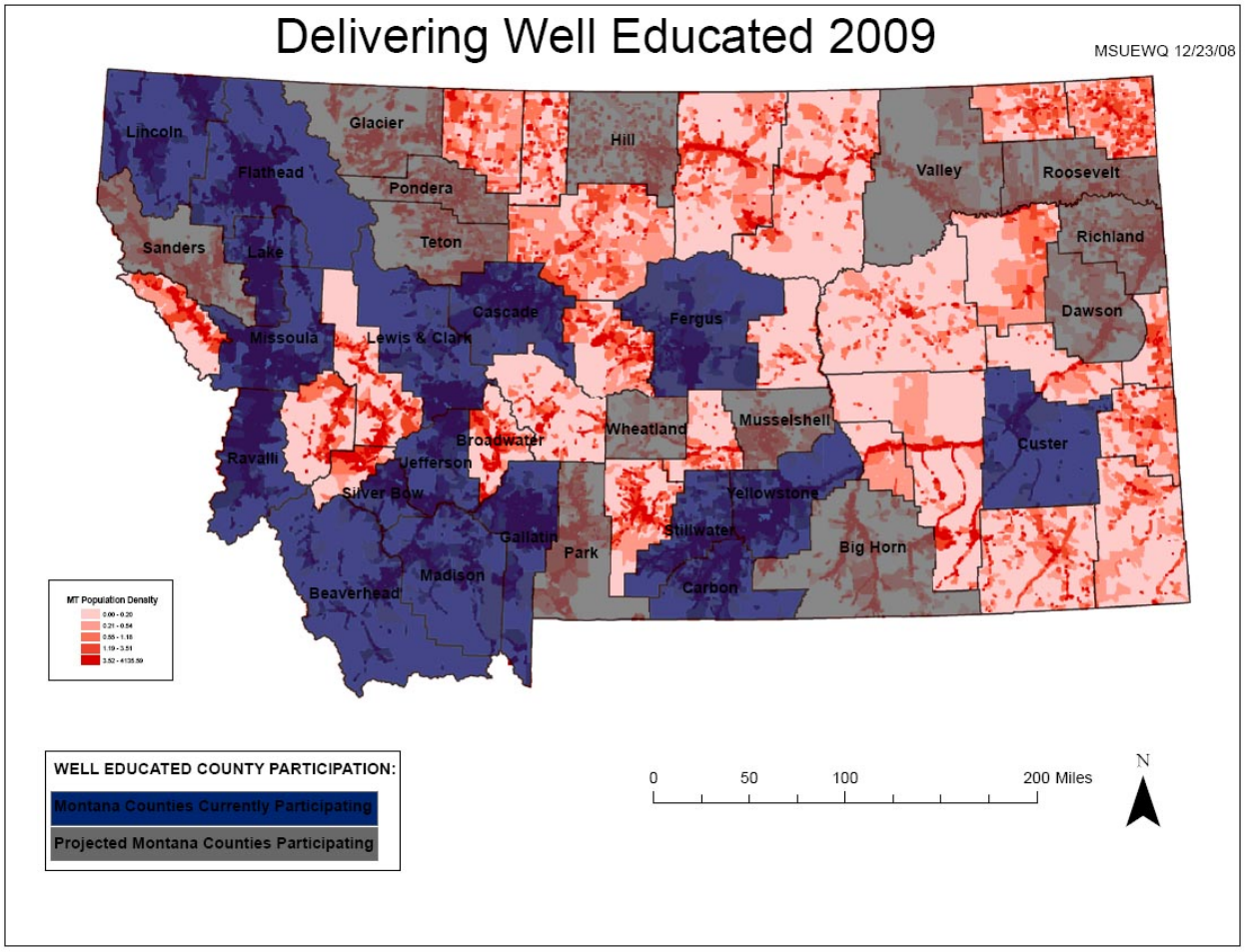
Section IV – Support Documents

A. *Well Educated* Milestone Table

TASK/RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1 07/01/09 – 12/31/09			YEAR 2 1/1/2010 – 12/31/2010		
Task 1: Develop a Quality Assurance Project Plan MSUEWQ	QAPP						
Task 2: Assess Interest in Well and Septic Workshops MSUEWQ	Survey statistics from 2009 program participants						
Task 3: *Well Educated*: Expanding the Network MSUEWQ, County facilitators	*Well Educated* administrative package						
Task 4: Program Evaluation MSUEWQ	Effectiveness evaluation report						
Task 5: Education Campaign MSUEWQ	Statewide educational campaign and water testing program						
Task 6: Share Water Quality Data MSUEWQ, MBMG	Database, Water Quality data housed in Storet and GWIC						
Task 7: Program Administration MSUEWQ	Program Completion						

B. Project Budget Table				Funding	
Section 319/Non-Federal Budget	**2009 (Jul-Dec)**	**2010**	**Total Costs**	**In-kind Match**	**319 Funds**
Salary/Fringe					
MSU Water Quality Associate I: salary rate $35000					
2009: 0.15 FTE x $35000 x 0.5; 2010: 0.15 FTE x $35000	2,625.00	5,250.00	7,875.00	0.00	7,875.00
Fringe at 0.395	1,036.88	2,073.75	3,110.63	0.00	3,110.63
MSU Water Quality Associate II: salary rate $35000					
2009: 0.25 FTE x $35000 x 0.5; 2010: 0.25 FTE x 35000	4,375.00	8,750.00	13,125.00	0.00	13,125.00
Fringe at 0.395	1,728.13	3,456.25	5,184.38	0.00	5,184.38
MSU Water Quality Associate III: salary rate $38000					
2009: 0.05 FTE x $38000 x 0.5; 2010: 0.05 FTE x $38000	950.00	1,900.00	2,850.00	0.00	2,850.00
Fringe at 0.395	375.25	750.50	1,125.75	0.00	1,125.75
Temporary Hourly Hire					
$10 per hour for 250 hours	0.00	2,500.00	2,500.00	0.00	2,500.00
Workshops (travel and MDEQ workshop advertisement and administration)	0.00	5,366.22	5,366.22	4,976.22	390.00
Analysis (contracted service for water quality analysis)	0.00	20,460.00	20,460.00	20,460.00	0.00
Equipment/Supplies	0.00	1,200.00	1,200.00	1,200.00	0.00
Print Costs	60.00	1,065.00	1,125.00	0.00	1,125.00
Communications/Postage	150.00	750.00	900.00	0.00	900.00
Communications/Advertising	0.00	3,100.00	3,100.00	2,100.00	1,000.00
Indirect Costs (Administrative Costs 10% IDC)	1,130.03	2,788.55	3,918.58	0.00	3,918.58
Total	***12,430.28***	***59,410.27***	***71,840.55***	***28,736.22***	***43,104.33***
Task 1 - Develop a Quality Assurance Project Plan					
OBJECTIVE 1: Enhanced Data Resources					
MSU Water Quality Associate I Salary and Fringe	1,830.94	0.00	1,830.94	0.00	1,830.94
MSU Water Quality Associate II Salary and Fringe	3,051.56	0.00	3,051.56	0.00	3,051.56
subtotal	**4,882.50**	**0.00**	**4,882.50**	**0.00**	**4,882.50**
Task 2 - Assess Interest in Well and Septic Workshops					
OBJECTIVE 2: Public Education					
MSU Water Quality Associate I Salary and Fringe	549.28	0.00	549.28	0.00	549.28
MSU Water Quality Associate II Salary and Fringe	915.47	0.00	915.47	0.00	915.47
Survey print costs	60.00	0.00	60.00	0.00	60.00
Survey postage	150.00	0.00	150.00	0.00	150.00
subtotal	**1,674.75**	**0.00**	**1,674.75**	**0.00**	**1,674.75**
Task 3 - *Well Educated*: Expanding the Network					
OBJECTIVE 2: Public Education					
MSU Water Quality Associate I Salary and Fringe	1,281.66	2,441.25	3,722.91	0.00	3,722.91
MSU Water Quality Associate II Salary and Fringe	2,136.09	4,068.75	6,204.84	0.00	6,204.84
DVD print costs	0.00	45.00	45.00	0.00	45.00
Facilitator package materials minimal	0.00	0.00	0.00	0.00	0.00
subtotal	**3,417.75**	**6,555.00**	**9,972.75**	**0.00**	**9,972.75**
Task 4 - Program Evaluation					
OBJECTIVE 2: Public Education					
MSU Water Quality Associate III Salary and Fringe	1,325.25	2,650.50	3,975.75	0.00	3,975.75
Survey print costs	0.00	120.00	120.00	0.00	120.00
Survey postage	0.00	300.00	300.00	0.00	300.00
subtotal	**1,325.25**	**3,070.50**	**4,395.75**	**0.00**	**4,395.75**
Task 5 - Education Campaign					
OBJECTIVE 2: Public Education					
MSU Water Quality Associate I Salary and Fringe	0.00	2,441.25	2,441.25	0.00	2,441.25
MSU Water Quality Associate II Salary and Fringe	0.00	4,068.75	4,068.75	0.00	4,068.75
Travel for Workshops x 2					
hotel	0.00	130.00	130.00	0.00	130.00
rental vehicle/mileage	0.00	260.00	260.00	0.00	260.00
Well and Septic workshop advertising and administration (MDEQ inkind)	0.00	4,976.22	4,976.22	4,976.22	0.00
Advertising (2,100 Inkind from MVWQD, 1,000 from 319)	0.00	3,100.00	3,100.00	2,100.00	1,000.00
Postage (mailing test kits to rural participants)	0.00	450.00	450.00	0.00	450.00
DVD print costs	0.00	900.00	900.00	0.00	900.00
Interpretation package materials (covered by $2 fee paid by participants)	0.00	1,200.00	1,200.00	1,200.00	0.00
subtotal	**0.00**	**17,526.22**	**17,526.22**	**8,276.22**	**9,250.00**
Task 6 - Share Water Quality Data					
OBJECTIVE 1: Enhanced Data Resources					
MSU Water Quality Associate I Salary and Fringe	0.00	2,441.25	2,441.25	0.00	2,441.25
MSU Water Quality Associate II Salary and Fringe	0.00	4,068.75	4,068.75	0.00	4,068.75
Temporary Hourly Hire	0.00	2,500.00	2,500.00	0.00	2,500.00
Test analysis (341 samples x $60 analysis)	0.00	20,460.00	20,460.00	20,460.00	0.00
subtotal	**0.00**	**29,470.00**	**29,470.00**	**20,460.00**	**9,010.00**
subtotals	**11,300.25**	**56,621.72**	**67,921.97**	**28,736.22**	**39,185.75**
Task 7 - Indirect Costs					
OBJECTIVE 3: Program Completion					
Administrative Costs 10% IDC	1,130.03	2,788.55	3,918.58		**3,918.58**
TOTAL 319/NON-FEDERAL BUDGET					**43,104.33**

C. Project Map



D. Letters of Support

See attached letters from:

1) Tammera Crone - Gallatin Local Water Quality District (Gallatin Program Facilitator)
2) Jennifer McBroom - Lewis and Clark Water Quality Protection District (Lewis and Clark Program Facilitator)
3) Jon Harvala - Missoula Valley Water Quality District (Missoula Program Facilitator)
4) Wynn Pippin - Energy Laboratories (Collaborating Testing Lab)
5) Darren P. Crawford - Fergus County Extension (Fergus Program Facilitator)
6) Thomas W. Patton – Montana Bureau of Mines and Geology (Ground-Water Assessment Program Manager)
7) Joe Meek – MT Department of Environmental Quality Source Water Protection Program (Water Quality Specialist)

Gallatin Local Water Quality District

1709 W. College Street, Suite 104 – Judge Guenther Memorial Center – Bozeman, MT 59715
(406) 582-3148 www.gallatin.mt.gov/GLWQD

December 23, 2008

319 Grant Review Committee
Montana Department of Environmental Quality
Helena, MT

Dear 319 Review Committee:

I am writing to express support for the "Well Educated" project proposal being submitted by the Montana State University Extension Water Quality (MSUEWQ) team. The Gallatin Local Water Quality District (GLWQD) will contribute to the project through the facilitation of the "Well Educated" program during the grant period. GLWQD will advertise the program during the month long public awareness campaign in March of 2010 and will distribute testing kits for the program to interested well owners. GLWQD will work with MSUEWQ to collect well information necessary to allow for water quality data to be entered into the online Ground Water Information Center.

The GLWQD has participated in the "Well Educated" program for several years and has found the program structure and educational materials to be beneficial to well owners. We recognize the importance of well owner education and the "Well Educated" program fits nicely with our goals to educate the public and develop a ground water quality inventory in Gallatin County. GLWQD is excited about participating in the program and looks forward to having the well and septic educational video as an educational tool.

Sincerely,

Tammera Crone
Tammera Crone
Water Quality Specialist

Lewis and Clark County
Water Quality Protection District

December 23, 2008

Robert Ray, Supervisor
Watershed Protection Section-Water Quality Planning Bureau
MT Dept. of Environmental Quality
PO Box 200901
Helena, MT 59620-0901

Dear Mr. Ray,

I am writing to express support for the "Well Educated" project proposal being submitted by the Montana State University Extension Water Quality (MSUEWQ) team. Lewis and Clark County Water Quality Protection District (WQPD) will contribute to the project through the facilitation of the "Well Educated" program during the grant period. The WQPD will advertise the program during the month long public awareness campaign in March of 2010 and will distribute testing kits for the program to interested well owners. The WQPD will work with MSUEWQ to collect well information necessary to allow for water quality data to be entered into the online Ground Water Information Center.

WQPD has conducted well owner education in the past and is a great outreach tool and opportunity to talk to landowners about both their well and septic system. The WQPD looks forward to collaborating with MSUEWQ on the "Well Educated" program. WQPD is excited about participating in the program and looks forward to having the well and septic educational video as an educational tool.

Sincerely,

Jennifer McBroom
Watershed & Community Outreach Coordinator

MISSOULA COUNTY

MISSOULA CITY-COUNTY HEALTH DEPARTMENT
WATER QUALITY DISTRICT
301 WEST ALDER
MISSOULA, MONTANA 59802-4123

(406) 258-4890 FAX # (406) 258-4781

December 16, 2008

Water Activities Work Group
C/O Rob Rung
Water Quality Planning Bureau
Department of Environmental Quality
1520 E. Sixth Avenue
P.O. Box 200901
Helena, MT 59620-0901

Dear 319 Review Committee:

I am writing to express support for the "Well Educated" project proposal being submitted by the Montana State University Extension Water Quality (MSUEWQ) team. Missoula Valley Water Quality District (MVWQD) will contribute to the project through the facilitation of the "Well Educated" program in Missoula County during the grant period. MVWQD will advertise the program during the month long public awareness campaign in March of 2010 and will distribute testing kits for the program to interested well owners. MVWQD will work with MSUEWQ to collect well information necessary to allow for water quality data to be entered into the online Ground Water Information Center.

MVWQD has participated in the "Well Educated" program in the past and has been impressed with the program structure and educational materials. The "Well Educated" program serves a vital function in Montana. Well owners can easily obtain the materials to sample their well and have the laboratory analyze their water for common pollutants or other parameters that may influence the quality of the well water. The educational materials MSUEQW has prepared are informative and help well owners evaluate the quality of their water and take steps to manage their water supply.

MVWQD recognizes the importance of well owner education and the "Well Educated" program fits nicely with our goals to educate the public and develop a ground water quality inventory in Missoula County. MVWQD is excited about participating in the program and looks forward to having the well and septic educational video as an educational tool.

Sincerely,

Jon Harvala
Environmental Health Specialist

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

December 16, 2008

Dear WAWG Committee,

I am writing to express support of the "Well Educated" project proposal being submitted by Montana State University Extension Water Quality (MSUEWQ).
Energy Laboratories Incorporated (ELI) will contribute to the project by providing sample bottles, receiving and testing samples, and reporting results in the form of both individual reports for program participants as well as in a compiled format for integration into MSUEWQ's database. ELI will coordinate with MSUEWQ and county facilitators to ensure that payments, samples, and results are all routed correctly and efficiently. ELI will offer competitive pricing for testing of samples from the "Well Educated" program based on a volume discount. ELI is also willing to participate in public meetings to discuss services provided by the lab. ELI will provide an account summary of the total spent on sampling for demonstration of the inkind match requirements for the grant proposal.

ELI has partnered with MSUEWQ in the past for the well water testing program and has been pleased with the organization and structure of the program. ELI welcomes the opportunity for continued partnership with MSUEWQ on the Well Educated program.

Sincerely,

Wynn Pippin
Senior Project Manager

MONTANA STATE UNIVERSITY EXTENSION

December 16, 2008

Dear 319 Review Board,

I am writing to express support for the "Well Educated" project proposal being submitted by the Montana State University Extension Water Quality (MSUEWQ) team. Fergus County Extension (FCE) will contribute to the project through the facilitation of the "Well Educated" program in Fergus County during the grant period. FCE will advertise the program during the month long public awareness campaign in March of 2010 and will distribute testing kits for the program to interested well owners. FCE will work with MSUEWQ to collect well information necessary to allow for water quality data to be entered into the online Ground Water Information Center.

FCE has participated in the "Well Educated" program in the past and I have been impressed with the program structure and educational materials. We recognize the importance of well owner education and the "Well Educated" program fits nicely with our goals to educate the public and develop a ground water quality inventory in Fergus County and the state of Montana. There was excellent response to the testing program, and broadening the scope would enable us to advertise on a larger scale to reach more people. In the past, the "Well Educated" program in Fergus County helped identify a potential widespread nitrate problem in the Denton area, and has spurred us to do further study. Our office is excited about participating in the program and looks forward to having the well and septic educational video as an educational tool.

Sincerely,

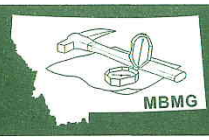
Darren P. Crawford
Fergus County Extension Agent

Fergus County Extension Service
712 W Main
Lewistown, MT 59457
www.tein.net/~msufergus

Tel (406) 535-3919
Fax (406) 535-5144
Email fergus@montana.edu

Mountains & Minds

Montana Bureau of Mines and Geology
Get Into It!
Montana Tech of The University of Montana



December 23, 2008

Dear 319 Review Board,

I am writing to express support for the "Well Educated" project proposal being submitted by the Montana State University Extension Water Quality (MSUEWQ) team to the Montana Department of Environmental Quality's Non-Point Source 319 grant program. The Montana Bureau of Mines and Geology (MBMG) Ground-Water Assessment program supports educating land owners about their well-water quality and also views the collected data as a valuable addition to Montana's knowledge about ground water.

MBMG will import adequately linked and located analytical results produced by the MSUEWQ project into the GWIC database and make the information available through the GWIC public website (http://mbmggwic.mtech.edu/). To insure that as much data as possible can be included in GWIC, MBMG will help the MSUEWQ team develop guidance so that local facilitators and public participants can link their samples to GWIC Site Ids and provide accurate geographic coordinates.

GWIC is an important ground-water-quality database in Montana and is accessible online as a public resource. The database is primarily populated with ground-water-quality data collected by MBMG, but data from other agencies such as the Montana Department of Natural Resources and Conservation, the Lewis and Clark County Water Quality Protection District, and the Gallatin Valley Local Water Quality District are also included. MBMG welcomes opportunities to work with organizations that collect water-quality data and desire to make their data publically available.

Sincerely,

T W. Patton

Thomas W. Patton
Hydrogeologist and Program Manager
Ground-Water Assessment Program
Montana Bureau of Mines and Geology

Main Hall | 1300 West Park Street | Butte, MT 59701-8997 | 406-496-4180 | www.mbmg.mtech.edu

Montana Department of
ENVIRONMENTAL QUALITY
Brian Schweitzer, Governor
P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.state.mt.us

December 22, 2008

W. Adam Sigler
Water Quality Associate
Land Resources and Environmental Sciences
Montana State University, Leon JonH 245
P. O. Box 173120
Bozeman, MT 59717-3120

RE*: Delivering Well Educated*

Dear Adam:

I wish to express my support for the above-referenced project. I consider this project to be a good opportunity for DEQ and MSUEWQ to leverage off an existing program (formerly *Well Aware*, now *Well Educated*) by working collaboratively on well and septic system education.

Expanding the *Well Educated* program is a good way to enhance public awareness of water resource issues. Participation in the water monitoring component along with participation in a workshop can help move Montana citizens from environmental awareness toward environmental literacy. This type of on-the-ground education where citizens can actually take an action is what will ultimately provide long term protection of water resources in Montana.

With the successful *Well Educated* program on-going, I am confident that you have compiled the expertise to result in a successful project in 2009. If I can be of any further assistance, please let me know.

Sincerely,

Joe Meek
Source Water Program

WELL EDUCATED

Parameter Choice List

(parameter = something in the water, chemical, bacteria, etc)

Step 1 - Check the box next to the parameter package/s you would like your water tested for (1-7).
Step 2 - To add additional parameters from the right column, check box 8 then check the individual parameters in the right column.
Step 3 - Total the cost of your package, any individual parameters from the right column, and the additional $2.00 administrative fee. Write the total in the **"Testing Cost"** box. Use the included "Parameter Choice Guide" for more information.

Parameter Packages

☐ **1) Basic Domestic Analysis ($35)**

- Alkalinity
- Bacteria (coliform + *E. coli*)
- Nitrate + Nitrite as N
- pH
- Total Dissolved Solids

☐ **2) Full Domestic Analysis ($75)**

- Alkalinity
- Aluminum
- Bacteria (coliform + *E. coli*)
- Calcium
- Chloride
- Conductivity
- Corrosivity
- Fluoride
- Hardness
- Magnesium
- Manganese
- Nitrate + Nitrite as N
- pH
- Potassium
- Sodium
- Sulfate
- Total Dissolved Solids
- Zinc

Suitability of Water for Livestock and Classification of Water for Irrigation included with this test at no additional charge.

☐ **3) Total Iron Analysis ($20)**

☐ **4) Basic Annual Analysis ($20)**

- Bacteria (coliform + *E. coli*)
- Nitrate + Nitrite as N

☐ **5) Select Inorganic Analysis ($37.50)**

- Arsenic
- Cadmium
- Copper
- Lead
- Selenium

☐ **6) Suitability of Water for Livestock ($50)**

- Alkalinity
- Chloride
- Nitrate + Nitrite as N
- pH
- Sulfate
- Total Dissolved Solids (TDS)

☐ **7) Classification of Water for Irrigation ($30)**

- Calcium
- Conductivity
- Magnesium
- Sodium
- Sodium Adsorption Ratio

☐ **8) I have Selected Additional Individual Parameters in the right column. ($_____)**

For more information on Drinking Water Standards check the EPA website at http://www.epa.gov/safewater/mcl.html#mcls

Individual Parameters

Inorganic parameters which occur naturally

☐ Antimony ($10)
☐ Arsenic ($10)
☐ Barium ($10)
☐ Beryllium ($10)
☐ Cadmium ($10)
☐ Chromium ($10)
☐ Copper ($10)
☐ Lead ($10)
☐ Mercury ($10)
☐ Nitrate + Nitrite as N ($10)
☐ Selenium ($10)
☐ Thallium ($10)

If you have selected additional individual parameters from this list, make sure you have checked box 8 in the left column.

Testing Cost

Total your parameter package cost with any individual parameters you selected. Write the total here. **Add $2.00 for administrative fees.**

Cost **$_____**
Plus **$2.00**
Total Cost **$_____**

Include payment for this amount with your samples. Please make check payable to "Energy Laboratories Inc."

Step 4 - Please fill out your mailing address on this label to help us mail your results.

WELL EDUCATED

Tracking # Sticker

Registration Form

For Lab Use
Sample ID:
Date Sample: Date Received:
Temp: Check #:
Notes:

A) Last Name: **First Name:**	**For Office Use Only** C) Well Code: *(leave blank if this is the first time the well has been tested)*
B) Are you submitting multiple sets of samples? (*both bottles from the kit = 1 set*) ☐ Yes ☐ No If yes, how many _____ If submitting multiple sets of samples, write a 5 word description for this sample: _____	
D) Mailing Address for Results: *Tip: stick a return address label here* **Zip code:**	**E) Physical Address of Well:** (write NA if same as mailing) **Zip code:**
F) Phone Number	**G) County Well is In**
H) May we share your results with your county extension agent and/or sanitarian? ☐Yes ☐No	
I) Would you like your results included on a map of water quality in your county? ☐ Yes ☐ No (*The county office can help you find these coordinates. Maps will be created if sufficient people choose this option*) **J) Location of Well** *(in decimal degrees)* **- Latitude** _ _ . _ _ _ _ _ _ ° **Longitude** _ _ _ . _ _ _ _ _ _ ° **K) Method used to get latitude and longitude** Google Earth ☐ GPS ☐ Township/Section/Range ☐ Other ☐	
L) Are you interested in sharing your results in Montana Bureau of Mines and Geology's online database? ☐ Yes ☐ No **M) IF YES - Enter GWIC Id Here** _____ *(More information available from county office or via email from Adam Sigler - asigler@montana.edu)*	

The following questions will help us understand more about you and your ground water needs to better interpret your results.. Please check the box next to the best response, and fill in the blanks below.

N) How would you classify the area your property is in? ☐ Urban ☐ Sub-Urban ☐ Rural

O) How large is the property your well is on?
☐ Less than 1 acre ☐ 1-10 acres ☐ 10-50 acres
☐ 50-250 acres ☐ 250-1,000 acres ☐ More than 1,000 acres

P) What is the predominant land use on your property?
☐ Residential ☐ Farm ☐ Other_____
☐ Livestock Related Operation
Q) Approximately how many livestock (or head) are on the property? _____

R) Are you aware of any inactive wells on your property? ☐ Yes ☐ No
S) Are they properly sealed to protect your ground water? ☐ Yes ☐ No ☐ Not Applicable ☐ Don't Know

T) What is the primary use for the well you are testing?
☐ Household and Garden Water ☐ Irrigation ☐ Livestock Watering ☐ Other

U) Do you use water from this well as your primary drinking source? ☐ Yes ☐ No

V) Do you currently treat your well water before drinking? ☐ Yes ☐ No
W) Are you sampling your water before or after the treatment system? ☐ Sample is Untreated ☐ Sample is Treated

X) Have you ever had the water quality tested in this well before? ☐ Yes ☐ No ☐ Don't Know
Y) Have you tested this well in the Montana Well Test program before? ☐Yes ☐No If yes, what year_____

Z) What is the Approximate age of your home?
☐ Less than 2 years ☐ 2 to 5 years ☐ 5-15 years ☐ 15-30 years ☐ More than 30 years

AA) What is the depth of your well?
☐ Less than 50 feet ☐ 50-150 feet ☐ 150-300 feet ☐ Greater than 300 feet ☐ Don't Know

BB) Are you familiar with the function of your well, and do you feel confident that you understand all the necessary maintenance and safety procedures to protect your groundwater?
☐ Yes, I understand well function, maintenance and safety procedures.
☐ No, I feel like I could know more about maintaining my well and protecting my groundwater.

CC) Is your household on a septic system? ☐ Yes ☐ No ☐ I don't know
DD) Have you ever had your septic system pumped or cleaned? ☐ Yes ☐ No ☐ I don't know ☐ No Septic

MONTANA STATE UNIVERSITY
College of AGRICULTURE
MONTANA AGRICULTURAL EXPERIMENT STATION
EXTENSION

Greetings,

First, thank you for participating in the 2008 "**WELL EDUCATED**" program. In 2006 and 2007, the program saw a lot of new opportunities for participants. A follow-up mail survey revealed that people are very pleased with their experience in the program. We look forward to another good year in 2009 and are happy to kick off the program during national ground water awareness week.

You Should Have Received:

1. Sample kits in pre-addressed envelopes
2. A folder with materials for facilitation
    a. This Letter
    b. Handing Out Test Kits - Checklist
    c. Sharing Test Results - 4 Options
    d. 2005, 2006, 2007, and 2008 Participant List
    e. Advertising Materials
    -3 Fliers with a place to write your contact info
    -2 Press Releases

Reminder of Facilitator Responsibilities

1. **Program Advertising – Fliers and Press Releases are Provided for assistance**
    a. **Newspapers –** try asking the paper to run the program as a feature or a public service announcement. (If you want to have your local paper contact me, I can give them more information to help them write a feature on the program)
    b. **Radio –** a few announcements on local radio can be a great way to reach a lot of people.
2. **Distributing Test Kits –**
    a. There is a checklist of things to do when handing out a test kit. **Please make sure that anyone who is handing out test kits is familiar with the "HANDING OUT TEST KITS – CHECKLIST"** and have it with the kits so it can be referenced easily.

Please open one of the test kits and take a quick look at the materials.

Call or email me if you have questions.
Thank you for participating in the program,

Teresa Mowen
Water Quality Associate
Montana State University
Extension Water Quality

W. Adam Sigler
Water Quality Associate
Montana State University
Extension Water Quality

Land Resources and Environmental Sciences

334 Leon Johnson Hall
P.O. Box 173120
Bozeman, MT 59717-3120

Tel (406) 994-7060
Fax (406) 994-3933
landresources.montana.edu

Handing Out Test Kits - Checklist

Critical Points – to be done with every participant:

1. **Ask the person if their well was tested in a past program offering during 2005 through 2008 Montana Well Test Program.**
    a. if no – take the registration form out of the test kit and write NA on line C)
    b. if yes – find their name on the "2005, 2006, 2007, or 2008 Participant List" provided with these materials.
        - write their "Well Code" on line C) of their registration form
            The well code is 2 letters and 7 digits
            NOTE: some participants tested more than one well last year, make sure you get the correct "Participant Code" for the well they are retesting.

2. **Give them the kit – emphasize reading the instructions ahead of time, following instructions carefully and remember the April program deadline.**

Useful but Less Critical Points – when time allows:

1. **Inform the participant about the options they have for sharing their data.**
    a. Reference the "Sharing Test Results – 4 Options" sheet provided with these materials.
    b. If participants are curious but uncertain about sharing their results, you can give them a copy of the "Sharing Test Results – 4 Options" sheet.

2. **Find the approximate Latitude/Longitude of the participant's well using a mapping method.**
    a. Take out the participant's Registration Form and write the Latitude and Longitude on line **K).** More information on this option is available if I have not talked to you about it already.
    b. Inform the participant **THEY ARE NOT OBLIGATED TO SHARE THEIR RESULTS**. They decide whether or not to share their results on a map when they fill out their registration form. If they choose no, they can simply cross through the coordinates and we will not use them

3. **Find the Well Log Code (GWIC Id) for the participant's well.**
    a. This is done on the GWIC website. More information is available on this subject if I have not talked to you about it already.
    b. Inform the participant **THEY ARE NOT OBLIGATED TO SHARE THEIR RESULTS**. They decide whether or not to share their results in the online database when they fill out their registration form. If they choose no, they can simply cross through the GWIC Id and we will not use it.

Thank you!!!

Sharing Test Results – 4 Options

Very Useful to Us

1) Displayed on a county water quality map

If a sufficient number of people in a county participate in the program and agree to have their results mapped, we will create water quality maps for each county. By using the approximate latitude and longitude coordinates of a participant's well, we can map nitrates by category (i.e. normal, above normal, and above drinking water standards). This can be an attractive option for participants because it does not include names or addresses with the data, but still allows for results to be displayed on a map. If participants return to the program in subsequent years, it will be possible to chart ground water changes through time.

Very Useful to Us

2) In an online public database at Montana Bureau of Mines and Geology

Whenever a well is drilled in Montana, the driller is obligated to submit a well log to the Montana Bureau of Mines and Geology (MBMG). MBMG maintains the Ground Water Information Center (GWIC), which is an online database of well logs. Well logs are usually filed under the land owner's name at the time of drilling and include information about the depth of the well, the type of geology etc. Each well log is assigned an identifying code called a GWIC Id. When water quality data is available for the wells in GWIC, this information is attached to the well log file. The more water quality data available in the system, the better informed researchers and planners can be when assessing Montana's precious water resources.

Somewhat Useful to Us

3) With the County Agent and/or Health Department but not on a Map or Online.

If participants choose not to share their water quality data on a map or in the online database, they can still offer to have a copy of their results forwarded to the county office. This can be useful information for the County Health Department or the County Extension Agent to have when inventorying ground water resources in the county.

Least Useful to Us

4) As a county statistic – (the default option)

If participants choose not to share water quality data, their name and well location will not be shared with anyone outside MSU Extension Water Quality. The numbers from all results will be summarized by county for general program statistics.

Program Summary and Outline FYI

Program Goal:

The goal of the WELL EDUCATED program is to provide private well owner education about water quality as it relates to health, and quality of life. A secondary goal of the program is to provide a means for centralized collection of water quality data.

Program Process Overview

1. MSU Extension Water Quality (MSUEWQ) provides the sampling kits and other materials to the county facilitators.
2. County facilitators advertise the program in their county.
3. Private well owners interested in the program, stop by the county office to pick-up a sampling kit.
4. County facilitators hand over a kit and help the well owner to fill out a few blanks on the registration form.
5. Participants use materials provided to choose a testing package.
6. Participants follow instructions to sample their well water.
7. Participants write a check to cover the cost of the testing and include payment when mailing samples to the lab.
8. Energy Laboratories sends results to MSU where educational materials are included with results and sent to participants.
9. Participants receive results with interpretive materials and educational materials relevant to the testing they selected.

Program Outcome:

1. Participants are aware of their well water quality
2. Participants have information to help understand their water quality
3. Participants understand how to test their well water in the future
4. Participants have increased understanding about protecting ground water resources
5. County facilitators have water quality data from participants who elected to share results