OPERATOR'S REPORTS

STAFF REPORTS: SEWER SYSTEM OPERATIONS

BIG SKY COUNTY WATER & SEWER DISTRICT No. 363

PO BOX 160670 - 561 LITTLE COYOTE RD - BIG SKY, MT 59716 - 406-995-2660 - FAX 406-995-3053 - Email - WSD363@3RIVERS.NET

COPY

MEMORANDUM

TO: Grant/Jim

FROM: Ron Edwards, General Manager RE

DATE: February 3, 2010

RE: Low Dog Road

Jeremy Olson emailed me the attached email and drawing of the Low Dog Road area that Madison County is planning to resurface this summer. Please review this information and let me know if there are any sewer and/or water replacement needs that we might have to do before the road gets redone.

I think we may also want to meet with Jeremy at some point to go over their plans in more detail.

Thanks.

FILE COPY

Ron Edwards

From: Jeremy Olson [jolson@gastonengineering.com]
Sent: Thursday, January 28, 2010 8:12 AM
To: 'Ron Edwards'
Cc: 'Jim Muscat'; 'Nic Wellenstein'
Subject: Low Dog Road Improvements (09-517-1)
Attachments: 09-517-1 C3D Low Dog Road EXHIBIT 012710.pdf

Ron,

I have attached an exhibit that identifies the area we are proposing to repave this summer. As you can see, we will be working from the entrance of Lake Condos to the intersection of Dam Road and Low Dog Road. While we are not improving all the way to the PRV you have at the intersection of Low Dog Road and Black Eagle Road, we are not far from that intersection.

I think there are 2 likely scenarios for you if you wish to upsize your water main from Lake Condos to the PRV at Black Eagle.

1) Upsize main from Lake Condos to intersection of Dam Road/Low Dog Road this year, and wait until improvements are completed in the future to finalize from Dam Road to Black Eagle PRV.

2) Upsize complete section of 6" water main from Lake to Black Eagle, and cut/re-pave asphalt from Dam Road to Black Eagle PRV.

Let me know your thoughts on this when you get some time. I could stop by and meet with you if you would like to discuss in more detail. Take care.

Sincerely,

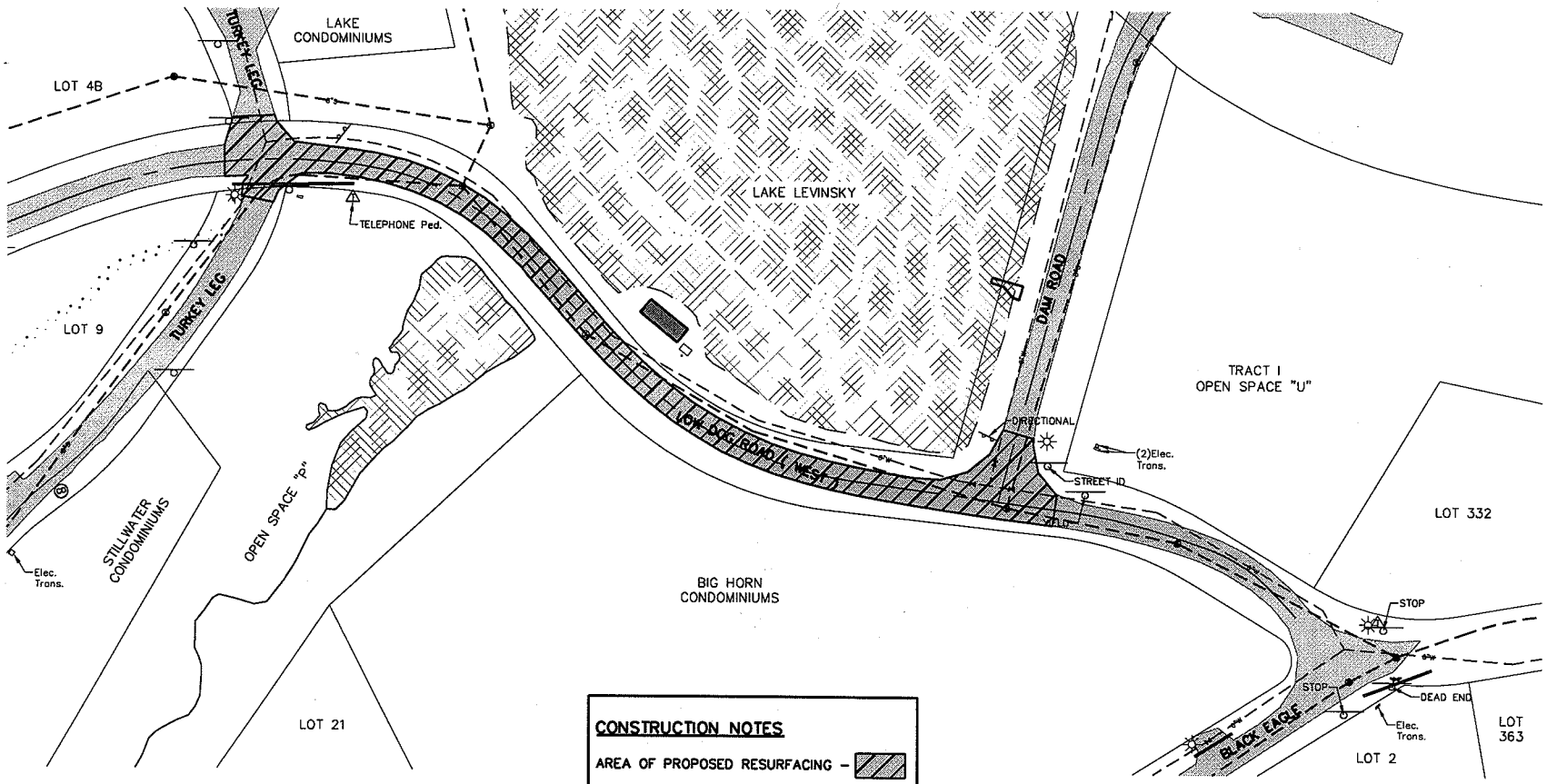
Jeremy Olson, P.E.
Project Engineer

GASTON ENGINEERING
SURVEYING & SOILS TESTING

off: (406) 586-0588
fax: (406) 586-0589
cell: (406) 539-0587
e-mail: jolson@gastonengineering.com
web: www.gastonengineering.com

EXHIBIT A

SHOWING THE AREA OF CONSTRUCTION OF LOW DOG ROAD (WEST)
IN THE NE1/4 Sec. 30, T6S, R3E, P.M.M., MADISON COUNTY, MONTANA



CONSTRUCTION NOTES

AREA OF PROPOSED RESURFACING –

TOTAL SQUARE FOOTAGE = 26670 sqft
TOTAL LINEAL FOOTAGE = 1110 lf
AVERAGE WIDTH = 24'

1 LOW DOG ROAD(WEST)
PROPOSED AREA OF CONSTRUCTION
SCALE: 1" = 100'

100 0 100
1 inch = 100 ft.

N

GASTON ENGINEERING
SURVEYING & SOILS TESTING
G2
CONSULTING ENGINEERS
LAND SURVEYORS
SOILS TESTING
P.O. BOX 861
BOZEMAN, MT 59771
(406) 586-0588 FAX: 586-0589

SHEET 1 OF 1
PROJ: 09-517-1
09-517-1 C3D LOW DOG ROAD.DWG
TAB: EXHIBIT
DATE: 01-27-10

FILE COPY

Ron Edwards

From: Schade, Pete [PSchade@mt.gov]
Sent: Friday, January 15, 2010 12:09 PM
To: wsd363@3rivers.net
Subject: BSWSD TMDL questions

Hi Ron,

I'm writing up some source assessment sections for the Upper Gallatin TMDL and would like to discuss a variety of things with you when you have the chance. I spoke with Grant a bit earlier today, and in doing so we realized that perhaps a facetoface might be a good idea.

In evaluating any potential pollutant sources, I'm attempting to characterize the potential of the local wastewater systems to act as a nutrient and e.coli source. So of course I need a little help in getting this characterization adequately accurate. Some of the things that come to mind that Id like to get a better handle on include:

- LandApp agreement with GC and BSWSD
    - management & maintenance
    - level of disinfection
    - operating guidelines/rules
    - existing deficiencies in the process
    - relationship with permits (present or future)
    - TMDL recommendations on loading, operation and management
- Degree and spatial extent of sewer leaks/repairs and identification of known 'hotspots?'
    - Lone Moose Meadows? HKM 1997 report …
- Solid waste disposal (sludge/composting)
- Implications of wastewater mgmt recommendation in TMDL to existing and future permit conditions

We could discuss some of these things by phone, but I'll also be in Bozeman Friday the 22nd and through that weekend if it might work to get together.

Pete

Pete Schade
Senior TMDL Planner
Montana Department of Environmental Quality
(406) 444-6771

Ron/Grant
gave letter to
~~Ron~~ Grant

EPA REGION VIII

BIOSOLIDS MANAGEMENT PROGRAM

RECEIVED
JAN 14 2010

COPY

Date: January 8, 2010

To: MTG-650037
Big Sky County Water and Sewer District 363
Ron Edwards

SUBJECT: 2009 BIOSOLIDS ANNUAL REPORT*DUE ON OR BEFORE FEBRUARY 19, 2010*****

Dear Facility Manager:

The 40 CFR 503 regulations require you to submit a biosolids annual report to EPA Region 8 on or before **February 19, 2010** detailing your biosolids information for **calendar year 2009**. ***If your wastewater treatment system did not use/dispose of biosolids and you did not dispose of biosolids in calendar year 2009 (e.g., lagoon system), you will be required to submit Section I of the 2009 annual biosolids report.*** If you are a lagoon system and you removed biosolids from a lagoon in 2009, you must complete a biosolids annual report. Mechanical treatment facilities are required to submit an annual biosolids report whether or not biosolids were used/disposed of during calendar year 2009.

Facilities that use/dispose of biosolids or facilities that removed biosolids in calendar year 2009 shall provide the following information in their 2009 Annual Biosolids Report:

- Biosolids produced or removed from the facility during calendar year 2009 in **dry metric tons.**
- Biosolids used/disposed of or land applied in 2009 in **dry metric tons.**
- Biosolids stored at the facility in 2009 in **dry metric tons.**
- Type of use/disposal practice(s).
- Analytical results of each pollutant required for your use/disposal practice. Look at the results. Do they make sense?
- A description of how the pathogen reduction requirements were met, **including certification statements.**
- A description of how the vector attraction reduction requirements were met, **including certification statements.**
- Descriptions of how the management practices were met, **including any certification requirements.**
- A description of how the land application site restrictions were met (if necessary), **including any certification requirements.**
- A list of each land application site and the annual whole biosolids application rate (in metric tons/hectare) applied to each site.
- Results of any additional monitoring completed on the biosolids completed during 2009.
- The location (street address, latitude and longitude, or section, township and range) of each site where biosolids were land applied and the number of hectares applied to at each site.
- The dates the biosolids were applied to each site.

BIG SKY COUNTY WATER & SEWER #363
RON EDWARDS, GENERAL MGR
PO BOX 160670
BIG SKY MT 59716

MT0030384

FILE COPY

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

RE: Discharge Monitoring Report forms for your permit

Enclosed please find Discharge Monitoring Report (DMR) forms for calendar year 2010 required by your discharge permit. Please check the DMR forms to verify that they represent the monitoring and reporting requirements set forth in your permit.

You will also find a DMR instructional mock up, some tips to help you avoid making the most common DMR errors, and answers to a few questions that you may have about completing and submitting your DMRs.

As a reminder, the DMR forms are due to the Department by the 28th day of the month following the monitoring period. DMRs that are incomplete with missing data or improperly entered information, or reports received after the date due, will result in violations of your discharge permit.

Please use the enclosed DMRs, eliminating the potential for reporting period errors or inadvertent form omissions. You will need to sign and submit the original completed form to comply with the self-reporting provisions set forth in your permit. You are required to keep a copy of your DMRs for your files. Send the signed, completed reports to the following address:

ICIS Coordinator
Montana Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena MT 59620-0901

If you have any questions or need assistance please contact the Bureau's compliance staff at (406) 444-3080.

FAQ

Q: What should I do if my DMRs are missing parameters or look different than I think they should?

A: Be sure to look at the most current permit limits and monitoring requirements. The requirements on the forms should be identical to those listed on the limits and monitoring pages of your most current permit. If they are different, contact the Department immediately. If you have sampled something that is not required by your permit, or you are waiting for corrected forms and wish to submit your report right away, write the parameter sampled, monitoring location, frequency, sample type and units and value type at the bottom of the DMR.

Q: Do I still have to submit forms for monitoring locations where there is no activity or discharge?

A: Yes. If the monitoring location (outfall) is listed in your permit, you should have a form for it. All forms must be submitted for each station. If there is no activity, the "No Discharge" box at the top of the form should be checked.

Q: Can I send my daily value data in on my own computer form?

A: Yes, you are allowed to submit your own form. It must have all the information that is requested on the MPDES's DMR Form pertinent to your permit. However, if the form you created doesn't contain all the required parameters then you will receive a violation. It is highly recommended you use the DMR's that are provided by the Department.

Q: On my DMR there is more than one blank for a parameter I am only required to sample once. Which box do I fill in?

A: ALL ***blank white boxes*** should be filled in. You may only be required to sample (e.g., pH once per month) but that one sample must be compared to both its lower (minimum) limit and its upper (maximum) limit. If you only sample once but the DMR requires a calendar month average and a daily maximum, record the single value in **BOTH *blank white boxes*.**

Q: I missed my quarterly influent sampling for April – June. Can I make it up in July?

A: Missed sampling in one monitoring period cannot be made up in another monitoring period. The compliance staff assigned to your facility may ask you to take additional samples in the new quarter, but this data should be reported in the monitoring period in which it was taken. Additional sampling will not remove the violations generated for the missed sampling in the previous monitoring period. Samples may be taken anytime during the 90-day monitoring period and recorded on your daily log/benchsheets on the day they were taken, but they must be transferred to the DMR at the end of the quarter. (e.g., Sample taken April 22nd must be recorded on the April benchsheet and submitted not later than the July 28th.)

DMR INSTRUCTIONAL MOCK UP
DO NOT FILL OUT AND SUBMIT

BOXES THAT DO NOT CONTAIN AN ASTERISK MUST BE FILLED OUT with a value based on the sampling that was conducted. If you DO NOT fill out a box that requires a value, it is considered a non reporting violation and you will receive a violation letter and lose your 25% compliance discount for your annual fees.

Boxes that contain an asterisk do not need to be filled out.

If you do not have a discharge for the monitoring period CHECK THE NO DISCHARGE BOX and SUBMIT to DEQ. SIGN and SUBMIT DMRs to the DEQ for the monitoring period. They are due the 28th day of following month.

MM/DD/YYYY
03/31/2009

External Outfall

No discharge

		VALUE	VALUE	UNITS	QUALITY OR CONCENTRATION VALUE	VALUE	VALUE	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Flow rate	SAMPLE MEASUREMENT				******	******	******	******			
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. QRTR AVG	8750 INST MAX	gal/d	******	******		******		Continuous	CONTIN
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	******	******	******	******	******					
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. SINGSAMP	mg/L		Quarterly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	******					
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. SINGSAMP	mg/L		Quarterly	GRAB
Nitrogen, total (as N)	SAMPLE MEASUREMENT		******		******		******				
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. QRTR AVG	******	lb/d	******	48.7 QRTR AVG	******	mg/L		Quarterly	GRAB
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. SINGSAMP	mg/L		Quarterly	GRAB
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon.	mg/L		Quarterly	GRAB
Nitrite plus nitrate total 1 det. (as N)	SAMPLE MEASUREMENT	******	******	******							
00630 1 0 Effluent Gro				******						Quarterly	GRAB

Some of your boxes will have a number in them accompanied by the required sampling unit type. The number indicates the maximum sampling limit, FOR INSTANCE if you have a number greater than 48.7 you have exceeded your limit and this is a violation.

Fill out the # samples taken per month for a required sampling period and type of sample taken.

NAME/TITL		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

STAFF REPORTS: WATER SYSTEM OPERATIONS

Western Groundwater Services, LLC
6595 Bear Claw Lane
Bozeman, MT 59715
Telephone: (406) 585-5947
Fax: (406) 522-8653

WESTERN GROUNDWATER SERVICES

RECEIVED
FEB 1 - 2010

January 21, 2010

Mr. Ron Edwards, General Manager
Big Sky County Water & Sewer District
P.O. Box 160670
Big Sky, MT 59716

RE: MEADOW AND MOUNTAIN VILLAGE WELL TESTING REPORT

Dear Ron:

Please find enclosed two copies of the report documenting recent testing and other work on Meadow Village No. 3 and Mountain Village No. 3. One of the copies includes the video DVDs that were collected. Both copies have a CD with the report and hydraulic testing data. Thanks for this opportunity to serve the District. Please don't hesitate to contact me with any questions or comments.

Sincerely,

WESTERN GROUNDWATER SERVICES, LLC

Mark Cunnane

Mark Cunnane, P.E., P.G.
Civil Engineer – Hydrogeologist

Big Sky County Water and Sewer District No. 363

HYDRAULIC TESTING REPORT FOR MEADOW VILLAGE NO. 3 AND MOUNTAIN VILLAGE NO. 3

Western Groundwater Services LLC

January 2010

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

January 25, 2010

RON EDWARDS
PO BOX 160670
BIG SKY MT 59716

Re: Groundwater Under the Direct Influence of Surface Water/Determination of Status for WL005 and WL008 Well Mtnv 4 And Well Mtnv 7 Big Sky County Water And Sewer Dist 363 PWSID MT0002385 Class C

Dear Mr Edwards:

The Department of Environmental Quality (DEQ) is required by federal and state regulations to determine whether a public water supply system's (PWS) ground water sources are under the direct influence of surface water (GWUDISW). The GWUDISW determination process begins with a Preliminary Assessment (PA). The DEQ must complete a PA form for each existing ground water source. The PA uses a point system to evaluate the water sources based on the results of the PA. Sources that score less than 40 points may be classified as ground water unless other information becomes available that suggests that further review is necessary. Sources that score higher than 40 points will require further analysis, source rehabilitation, or additional source information to complete the GWUDISW determination.

On 10/24/2006, Well Mtnv 4 And Well Mtnv 7 received a passing score of 10 and 20 , respectively, on the Preliminary Assessment for GWUDISW. Using the criteria of the DEQ Water Quality Circular PWS_5, **Well Mtnv 4 And Well Mtnv 7 are, therefore, classified as groundwater sources.**

Please note the Department is required to reassess each source for any changes in and around the source when a sanitary survey inspection is done on the Big Sky County Water And Sewer Dist 363 system. Depending on that reassessment and other issues that may impact this source, you may be asked to conduct further source water monitoring.

Please call me at 406-444-4633 or email me at jkandelin@mt.gov if you have questions.

Respectfully,

Jake Kandelin

Jake Kandelin
Public Water Supply Section, Montana Department of Environmental Quality
cc: PWS File, DEQ PWS Helena Regional Field Office

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

COPY

RECEIVED JAN 25 2010

January 20, 2010

MUSCAT, JIM
SPANISH PEAKS RESORT PWS
PO BOX 160670
BIG SKY, MT 59716

RE: SPANISH PEAKS RESORT PWS, PWSID: MT0004588, Class: C
Violation Letter – Failure to Monitor for Volatile Organic Compounds (VOC1)

Dear Owner/Operator:

This monitoring violation letter is to inform you that the Montana Department of Environmental Quality's (Department) records indicate that (VOC1) sample results have not been received for the entry points described below during 2009 as required:

Contaminant	Water System Facility/Sample Point	Required sampling frequency	Number of samples taken	When samples should have been taken
VOC1	EP502/CH001	1 Routine per Yr	0	1/1/09 to 12/31/09

If you have collected the required samples within the referenced period, in order to return to compliance, submit a copy of the sample results to me at the address or fax number below. Upon receipt of a hard copy of the results the Department's records will be updated.

If you have not collected the required samples, please be advised that this is a violation of the Administrative Rules of Montana (ARM) 17.38.216. In order to return to compliance, you must resume monitoring for VOC1 during the next monitoring period (01/01/2010-12/31/2010), in accordance with ARM 17.38.216. Monitoring schedules are available at http://www.deq.mt.gov/wqinfo/pws/reports.mcpx

Public Notice Requirement

You must provide tier 3 public notification in accordance with ARM 17.38.239. Instructions for public notice are provided on the third page of this letter and the fourth page is an example public notice document that contains the required language you must use to notify users.

Within ten days of issuing public notice, you must submit to the Department a representative copy of each type of notice distributed to the public. Please be sure to specify the delivery date and method used for each notice.

Because the violation(s) cited above may be referred to the Department's Enforcement Division for an enforcement action, this letter is intended to fulfill the notice requirements of Section 75-6-110(1), MCA. As such, this letter is not the "final action" of the Department in this matter and, therefore, does not create the opportunity to request the hearing provided for in Section 75-6-109(3), MCA.

Please contact me at the telephone number below if you have any questions.

Sincerely,

Edward E. Kiely
Chemical and Radiological Rule Manager
P.O. Box 200901
Helena, MT 59620-0901
(406) 444-3967
ekiely@mt.gov
(406) 444-1374 FAX

cc: PWS File

Attachments: Instructions for Monitoring Violations Notice
Example Public Notice, "Important Information About Your Drinking Water"

gave to Moscatt

COPY

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

RECEIVED
JAN 18 2010

January 14, 2010

EDWARDS RON
BIG SKY COUNTY WATER AND SEWER DIST 363
PO BOX 160670
BIG SKY MT 59716

RE: BIG SKY COUNTY WATER AND SEWER DIST 363, PWSID: MT0002385, Class: C - Notice of Drinking Water Monitoring Violation, Total Nitrate plus Nitrite

Dear Owner/Operator:

This monitoring violation letter is to inform you that the Montana Department of Environmental Quality's (Department) records indicate that total nitrate plus nitrite sample(s) results have not been received for the following facility and monitoring period:

Water System Facility	Entry Point	Monitoring Period
COMMON HEADER MEADOW VILLAGE 1 2 EP506 (CH005)	EP MDWV 1 2 (EP506)	Year 2009

If you have collected the required sample(s) within the referenced period, in order to return to compliance, please submit a copy of your sample results to the Department. Upon receipt of a hard copy of the results the Department's records will be updated.

If you have not collected the required sample(s) within the referenced period, please be advised that this is a violation of the Administrative Rules of Montana (ARM) 17.38.216. In order to return to compliance, you must sample as soon as possible and report the results to the Department.

Public Notice Requirement

You must provide tier 3 public notification in accordance with ARM 17.38. Instructions for public notice are provided on the third page of this letter and the fourth page is an example public notice document that contains the required language you must use to notify users.

Within ten days of issuing public notice, you must submit to the Department a representative copy of each type of notice distributed to the public. Please be sure to specify the delivery date and method used for each notice.

Because the violation(s) cited above may be referred to the Department's Enforcement Division for an enforcement action, this letter is intended to fulfill the notice requirements of Section 75-6-110(1), MCA.

Please contact me at the telephone number below if you have any questions.

Sincerely,

Laura Andersen
Environmental Science Specialist
Montana Department of Environmental Quality
Public Water Supply Section
PO Box 200901
Helena, MT 59620-0901

Phone: 406-444-5314
Fax: 406-444-1374
E-mail: LAndersen2@mt.gov

CC: PWS File

Attachments: Instructions for Monitoring Violations Notice
Example Public Notice, "Important Information About Your Drinking Water"

gave to Muscat

RECEIVED JAN 18 2010 COPY

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

January 14, 2010

EDWARDS RON
BIG SKY COUNTY WATER AND SEWER DIST 363
PO BOX 160670
BIG SKY MT 59716

RE: BIG SKY COUNTY WATER AND SEWER DIST 363, PWSID: MT0002385, Class: C - Notice of Drinking Water Monitoring Violation, Total Nitrate plus Nitrite

Dear Owner/Operator:

This monitoring violation letter is to inform you that the Montana Department of Environmental Quality's (Department) records indicate that total nitrate plus nitrite sample(s) results have not been received for the following facility and monitoring period:

Water System Facility	Entry Point	Monitoring Period
WELL MEADOW VILLAGE MDV 3 (WL016)	EP MDWV 3 (EP507)	Year 2009

If you have collected the required sample(s) within the referenced period, in order to return to compliance, please submit a copy of your sample results to the Department. Upon receipt of a hard copy of the results the Department's records will be updated.

If you have not collected the required sample(s) within the referenced period, please be advised that this is a violation of the Administrative Rules of Montana (ARM) 17.38.216. In order to return to compliance, you must sample as soon as possible and report the results to the Department.

Public Notice Requirement

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Please contact me at the telephone number below if you have any questions.

Sincerely,

Laura Andersen
Environmental Science Specialist
Montana Department of Environmental Quality
Public Water Supply Section
PO Box 200901
Helena, MT 59620-0901

Phone: 406-444-5314
Fax: 406-444-1374
E-mail: LAndersen2@mt.gov

CC: PWS File

Attachments: Instructions for Monitoring Violations Notice
Example Public Notice, "Important Information About Your Drinking Water"

gave to Moscat

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

RECEIVED JAN 1 0

COPY

January 14, 2010

EDWARDS RON
BIG SKY COUNTY WATER AND SEWER DIST 363
PO BOX 160670
BIG SKY MT 59716

RE: BIG SKY COUNTY WATER AND SEWER DIST 363, PWSID: MT0002385, Class: C - Notice of Drinking Water Monitoring Violation, Total Nitrate plus Nitrite

Dear Owner/Operator:

This monitoring violation letter is to inform you that the Montana Department of Environmental Quality's (Department) records indicate that total nitrate plus nitrite sample(s) results have not been received for the following facility and monitoring period:

Water System Facility	Entry Point	Monitoring Period
COMMON HEADER LONE MOOSE 1 2 EP504 (CH003)	EP LM 1 2 (EP504)	Year 2009

If you have collected the required sample(s) within the referenced period, in order to return to compliance, please submit a copy of your sample results to the Department. Upon receipt of a hard copy of the results the Department's records will be updated.

If you have not collected the required sample(s) within the referenced period, please be advised that this is a violation of the Administrative Rules of Montana (ARM) 17.38.216. In order to return to compliance, you must sample as soon as possible and report the results to the Department.

Public Notice Requirement

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Within ten days of issuing public notice, you must submit to the Department a representative copy of each type of notice distributed to the public. Please be sure to specify the delivery date and method used for each notice.

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Please contact me at the telephone number below if you have any questions.

Sincerely,

Laura Andersen
Environmental Science Specialist
Montana Department of Environmental Quality
Public Water Supply Section
PO Box 200901
Helena, MT 59620-0901

Phone: 406-444-5314
Fax: 406-444-1374
E-mail: LAndersen2@mt.gov

CC: PWS File

Attachments: Instructions for Monitoring Violations Notice
Example Public Notice, "Important Information About Your Drinking Water"

gave to Muscat

RECEIVED JAN 1 COPY

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

January 14, 2010

EDWARDS RON
BIG SKY COUNTY WATER AND SEWER DIST 363
PO BOX 160670
BIG SKY MT 59716

RE: BIG SKY COUNTY WATER AND SEWER DIST 363, PWSID: MT0002385, Class: C - Notice of Drinking Water Monitoring Violation, Total Nitrate plus Nitrite

Dear Owner/Operator:

This monitoring violation letter is to inform you that the Montana Department of Environmental Quality's (Department) records indicate that total nitrate plus nitrite sample(s) results have not been received for the following facility and monitoring period:

Water System Facility	Entry Point	Monitoring Period
CISTERN CASCADE (CS002)	WELLS 12347 MTV (EP502)	Year 2009

If you have collected the required sample(s) within the referenced period, in order to return to compliance, please submit a copy of your sample results to the Department. Upon receipt of a hard copy of the results the Department's records will be updated.

If you have not collected the required sample(s) within the referenced period, please be advised that this is a violation of the Administrative Rules of Montana (ARM) 17.38.216. In order to return to compliance, you must sample as soon as possible and report the results to the Department.

Public Notice Requirement

You must provide tier 3 public notification in accordance with ARM 17.38. Instructions for public notice are provided on the third page of this letter and the fourth page is an example public notice document that contains the required language you must use to notify users.

Within ten days of issuing public notice, you must submit to the Department a representative copy of each type of notice distributed to the public. Please be sure to specify the delivery date and method used for each notice.

Because the violation(s) cited above may be referred to the Department's Enforcement Division for an enforcement action, this letter is intended to fulfill the notice requirements of Section 75-6-110(1), MCA.

Please contact me at the telephone number below if you have any questions.

Sincerely,

Laura Andersen
Environmental Science Specialist
Montana Department of Environmental Quality
Public Water Supply Section
PO Box 200901
Helena, MT 59620-0901

Phone: 406-444-5314
Fax: 406-444-1374
E-mail: LAndersen2@mt.gov

CC: PWS File

Attachments: Instructions for Monitoring Violations Notice
Example Public Notice, "Important Information About Your Drinking Water"

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 www.deq.mt.gov

RECEIVED DEC 24 2009

December 21, 2009

BIG SKY COUNTY WATER AND SEWER DIST 363
RON EDWARDS
PO BOX 160670
BIG SKY MT 59716

Re: Monitoring Report and Schedule for BIG SKY COUNTY WATER AND SEWER DIST 363, PWSID # MT0002385 (Class Transient) (C)

Dear RON EDWARDS:

A new chemical monitoring schedule has been prepared for your system and is enclosed. If you are a **new** Public Water supply you are required to sample within the first three months of startup, in accordance to Administrative Rules of Montana (ARM) 17.38.216. Please make additional copies of the monitoring schedule for your files. If you recently added or changed the inventory for your existing system, this **schedule supersedes any previous schedules that have been issued**. I hope you find this schedule helpful. Please be aware that all of the samples must be taken within the timeframes provided in this schedule; otherwise, the schedule will be inaccurate. Further, if samples are not taken at the required times, or the levels exceed any of the Public Water Supply rules, you may be required to conduct additional sampling, or change timelines set forth in the current schedule.

Please contact the certified laboratory of your choice to receive sample bottles and sampling procedures. The laboratory may also be able to answer any questions that you have regarding sampling, but it is recommended that you always contact us as well, since we are the regulatory governing body.

If you have any questions regarding your specific public water supply monitoring requirements, please feel free to call one of the following telephone numbers for assistance:

Laura Andersen	**Total Coliform & Nitrate Rule Manager**	**444-5314**
Ed Kiely	**Phase 2/5 Rule/Radiological Rule Manager**	**444-3967**
Autumn Coleman	**Lead and Copper Rule Manager**	**444-5360**
John Jose	**Disinfectant/Disinfection By Product Rule Manager & Ground Water Chlorine Rule Manager**	**444-5312**
John Weikel	**Surface Water Treatment**	**444-5313**

Do not forget our Internet website that allows you to see your sample results and schedules @ **www.deq.mt.gov/wqinfo/pws/reports.asp.**

Montana Department of
ENVIRONMENTAL QUALITY
Data Source: Public Water Supply Section

Public Water Supply System Monitoring Report

Contact Public Water Supply Section staff at (406) 444-4400.

Schedule Effective Date 12/14/2009

Class	Primary Source	Population Served	Ann Op Period	PWS ID	System Name	County Served	City Served
C	GW	4132	01/01-12/31	MT0002385	BIG SKY COUNTY WATER AND SEWER DIST 36	MADISON	BIG SKY

Active System Facilities with an Active Sampling Point

Water System Facility ID and Name		Water Type	Sampling/Entry Point ID/Description	
CH002	COMMON HEADER WL MTNV CASCADES 5 6 7		EP503	EP WELLS 5 6
CH003	COMMON HEADER LONE MOOSE 1 2 EP504	GW	EP504	EP LM 1 2
CH004	COMMON HEADER ASPEN GROVES 1 2 3	GW	EP505	EP AG 1 2 3
CH005	COMMON HEADER MEADOW VILLAGE 1 2 EP506	GW	EP506	EP MDWV 1 2
CS002	CISTERN CASCADE	GW	EP502	WELLS 12347 MTV
DS001	ENTIRE DISTRIBUTION SYSTEM	GW	SP001	SP FOR DS
WL004	WELL MTNV 3	GW	RW101	RW FOR WELL 3
WL016	WELL MEADOW VILLAGE MDV 3	GW	EP507	EP MDWV 3

Sampling Schedules and Requirements

Total Coliform Rule

Fac ID	SP ID	Collection Period	Requirements	Code	Group Name	Last Collected
DS001	SP001	11/1 - 4/30	5 Routine Sample Monthly	3100	COLIFORM, TOTAL (TCR)	11/18/2009
DS001	SP001	5/1 - 10/31	2 Routine Sample Monthly	3100	COLIFORM, TOTAL (TCR)	11/18/2009

Phase 2/5 Chemical Rule

FacID	EP ID	Requirements	Group Name		Last Collected	Due
CH002	EP503	1 RT every 3 YR	ARSE	ARSENIC		DUE
CH002	EP503	1 RT every 3 YR	INO2	P5 INORGANICS		DUE
CH002	EP503	1 RT every 9 YR	INO4	W P-2 INORGANICS		DUE
CH002	EP503	1 RT every YR	NITR	NITRATE NITRITE	11/19/2002	
CH002	EP503	1 RT every 3 YR	SOC1	SOC		DUE
CH002	EP503	1 RT every 3 YR	VOC1	VOC	12/2/2002	Due3Y
CH003	EP504	1 RT every 3 YR	ARSE	ARSENIC		DUE
CH003	EP504	1 RT every 3 YR	INO2	P5 INORGANICS		DUE
CH003	EP504	1 RT every 9 YR	INO4	W P-2 INORGANICS		DUE
CH003	EP504	1 RT every YR	NITR	NITRATE NITRITE		DUE
CH003	EP504	1 RT every 3 YR	SOC1	SOC		DUE
CH003	EP504	1 RT every 3 YR	VOC1	VOC		DUE
CH004	EP505	1 RT every 3 YR	ARSE	ARSENIC		DUE
CH004	EP505	1 RT every 3 YR	INO2	P5 INORGANICS		DUE
CH004	EP505	1 RT every 9 YR	INO4	W P-2 INORGANICS		DUE
CH004	EP505	1 RT every YR	NITR	NITRATE NITRITE		
CH004	EP505	1 RT every 3 YR	SOC1	SOC		DUE
CH004	EP505	1 RT every 3 YR	VOC1	VOC		DUE
CH005	EP506	1 RT every 3 YR	ARSE	ARSENIC		DUE
CH005	EP506	1 RT every 3 YR	INO2	P5 INORGANICS		DUE
CH005	EP506	1 RT every 9 YR	INO4	W P-2 INORGANICS		DUE
CH005	EP506	1 RT every YR	NITR	NITRATE NITRITE		DUE
CH005	EP506	1 RT every 3 YR	SOC1	SOC		DUE
CH005	EP506	1 RT every 3 YR	VOC1	VOC		DUE
CS002	EP502	1 RT every 3 YR	ARSE	ARSENIC	8/7/2008	
CS002	EP502	1 RT every 3 YR	INO2	P5 INORGANICS	8/7/2008	
CS002	EP502	1 RT every 9 YR	INO4	W P-2 INORGANICS	8/7/2008	
CS002	EP502	1 RT every YR	NITR	NITRATE NITRITE	8/7/2008	DueYR
CS002	EP502	1 RT every 3 YR	SOC1	SOC	8/7/2008	
CS002	EP502	1 RT every 3 YR	VOC1	VOC	8/7/2008	
WL016	EP507	1 RT every 3 YR	ARSE	ARSENIC		DUE
WL016	EP507	1 RT every 3 YR	INO2	P5 INORGANICS		DUE
WL016	EP507	1 RT every 9 YR	INO4	W P-2 INORGANICS		DUE
WL016	EP507	1 RT every YR	NITR	NITRATE NITRITE		DUE
WL016	EP507	1 RT every 3 YR	SOC1	SOC		DUE
WL016	EP507	1 RT every 3 YR	VOC1	VOC		DUE

Radionuclide Rule

FacID	EP ID	Requirements	Group Name		Last Collected	Due
CH002	EP503	1 RT every 9 YR	COMB	RADIUMS COMBINED	12/9/2002	Due9Y
CH002	EP503	1 RT every 9 YR	GRAL	RAD GROSS ALPHA	12/9/2002	Due9Y
CH003	EP504	1 RT every 9 YR	COMB	RADIUMS COMBINED		DUE
CH003	EP504	1 RT every 9 YR	GRAL	RAD GROSS ALPHA		DUE
CH004	EP505	1 RT every 9 YR	COMB	RADIUMS COMBINED		DUE
CH004	EP505	1 RT every 9 YR	GRAL	RAD GROSS ALPHA		DUE
CH005	EP506	1 RT every 9 YR	COMB	RADIUMS COMBINED		DUE
CH005	EP506	1 RT every 9 YR	GRAL	RAD GROSS ALPHA		DUE
CS002	EP502	1 RT every 9 YR	COMB	RADIUMS COMBINED	8/7/2008	
CS002	EP502	1 RT every 9 YR	GRAL	RAD GROSS ALPHA	8/7/2008	
WL016	EP507	1 RT every 9 YR	COMB	RADIUMS COMBINED		DUE
WL016	EP507	1 RT every 9 YR	GRAL	RAD GROSS ALPHA		DUE

Information

ACRONYMS

- **PWS Class: C** community, **NTNC** non-transient non-community, **NC** non-community (transient).
- **Facility: CH** common header, **CW** clear well, **DS** distribution, **IN** intake, **PC** pressure control, **PF** pump facility, **RS** reservoir, **SP** spring, **ST** storage facility, **TP** treatment, **WL** well.
- **Water Types: GW** ground water, **SW** surface water, **GU** ground water under the direct influence of surface water.
- **Sampling/Entry Point: SP** sample point for distribution, **EP** entry point for another facility type.

Sample at each entry point to the distribution system using the entry point labels that have been provided by DEQ. Microbiological, asbestos, disinfection byproducts, and lead & copper samples are to be taken from within the distribution system.

This report lists monitoring requirements by rule, facility, sample/entry point and analyte group. These requirements specify the number of samples to be taken within the specified monitoring period. The **Standardized Monitoring Framework** is illustrated below. Sample due information is provided for Phase 2/5, Radionuclide, Water Quality Parameter & Orthophosphate schedules. **DUE** printed next to a sample schedule means a sample is due during the current monitoring period. For example, if you have a Ph 2/5 Chemical schedule of 1 sample every three years and your last collected sample was in 2007, "DUE3Y" is noted and you are required to sample within the current 2008-2010 three-year compliance period. **Some rules require sampling at specified intervals for certain analytes (Disinfection By Products and Lead & Copper rules) rather than within a standard monitoring period.** Please consult the notes below for your PWS system class, the DEQ PWS web site (**http://deq.mt.gov/wqinfo/pws/**), or contact a PWS rule specialist by calling **406-444-4400** for more information.

←	Monitoring Timeframes for PWS Sampling Schedules												→
←	9-year CYCLE Jan 2002 - Dec 2010									9-year 2011 - 2019 →			
←	3-year period 2002-2004			3-year period 2005-2007			3-year period 2008-2010			3-year period 2011-2013			→
	2002	2003	2004	2005	2006	2007	2008	**2009**	2010	2011	2012	2013	2014
	1-year period Jan - Dec												

COMMUNITY HELPFUL NOTES

ENTRY POINT

- Contact a certified lab for **nitrate** sample bottles adequate for your monitoring requirement.
- **Inorganic chemicals (IOCs)** are grouped as phase 2 and phase 5 (INO1) or separately as P2 for phase 2 (INO4) and P5 for phase 5 (INO2). Arsenic has its own schedule and is generally not included in phase 2 & 5. **Phase 2 inorganic analytes** include barium, cadmium, chromium, fluoride, mercury and selenium. **Phase 5 inorganic analytes** include antimony, beryllium, nickel and thallium.
- **Synthetic organic chemicals (SOCs)** are analyzed by different EPA analytical methods. Detects of regulated contaminants will trigger increased monitoring requirements.
- **Volatile organic chemicals (VOCs)** are analyzed by an EPA analytical method. Detects of regulated VOCs will trigger increased monitoring requirements. No detect of VOCs during baseline monitoring & three years of annual samples will decrease frequency to once every three years for groundwater systems. Surface water systems sample annually.
- **Radiological** contaminants are to be monitored on varying timelines. The frequency is based on contaminant levels.
- **Compositing samples** may lower sampling costs and is allowable for VOCs, SOCs herbicides and carbamates. It is also allowed for radiologicals for up to 4 consecutive quarterly samples if analysis is completed within 1 year of the first sample. Contact your lab about composite sample protocol.
- **Subpart H systems (Surface Water & GWUDISW)** have sampling requirements for Total Organic Carbon and Alkalinity from the source, and for TOC finished. Specific requirements vary based on system type and sample result history.

DISTRIBUTION

- Contact a certified lab and set up a schedule to receive **bacti** sample bottles. Submit samples early in the month to allow time for resample if you have an unsatisfactory bacti result. It is good practice to have at least 10 extra bottles on hand for repeat and temporary routine (follow-up) samples. In the event of an unsatisfactory bacti result, repeat samples must be taken within 24 hours of being notified by the lab, and temporary routine samples must be collected in the month following, even if all the repeat samples were satisfactory. Every system is required to submit a written sampling plan to the department.
- Contact your lab and ask for a **lead & copper** sample kit early in the monitoring period. For systems monitoring for lead and copper annually, triennially, or once every 9 years, **sampling must be conducted between June 1st and September 30th**. Triennial sampling must be collected no later than every third calendar year. Nine year sampling must be collected no later than every ninth calendar year. Be sure to collect the required number of analyte samples. Don't forget to complete the lead consumer notice within 30 days after you receive your lead and copper results. Forms and information can be found online at **http://www.deq.mt.gov/wqinfo/pws/leadcopper.asp**.
- Disinfection byproduct sampling includes monitoring for both **TTHMs and HAA5s** within the distribution system. Those on annual or three year schedules **must sample between July 1 and September 30th**. Reduced monitoring is based on sample results, type of source water, and population. Those on 3 year schedules are required to sample within the seasonal collection period every third calendar year. Systems disinfecting by Ozone must sample for Bromate of finished product.
- An **asbestos** sample collected from the distribution is required for systems during the first three-year period of a new nine-year compliance cycle.

WAIVERS

- A **phase 2 & 5** waiver, which reduces the monitoring frequency for most of the inorganics to once every nine-year compliance cycle, can be applied for in writing to the department after three rounds of monitoring.
- **Organic** waivers are also available for reduced monitoring frequency based on sampling history and submittal of a current use and/or susceptibility inventory update to the department.
- Waivers become effective upon written approval by the Department.

INCREASED MONITORING

- This schedule will no longer be applicable if the Department requires increased monitoring for any reason.