



Radionuclide Report

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: **1191000** City / Town: **Monson**
 PWS Name: **Monson Water & Sewer Dept.** PWS Class: COM NTNC TNC

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information		Date Collected	Collected By
10001	Well #1 Bethany Rd	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	07/07/15	C. Jalbert
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
		(1) Reason for Resubmission		(2) Collection Date of Original Sample	
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE NOTES - (Such as, if a Manifold/Multiple sample, list any sources that were on-line line during sample collection).					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **MA-100** Primary Lab Name: **Con-Test Analytical Lab** Subcontracted? (Y/N) **Y**

Was this sample composited by the Lab?	COMPOSITE SAMPLE NOTES List the composited source by DEP Source Code (XXXXXXX-XXX) and dates collected, up to four consecutive quarterly samples per single entry point.
<input type="checkbox"/>	
LAB SAMPLE NOTES	
Sub Lab Name: Microbac Laboratories	

Contaminant	RESULT	Std Dev (+/-)	MCL	MDL	Lab Method	Date Analyzed	Lab Sample ID#	Analysis Lab MA Cert#	Analysis Lab Name
GROSS ALPHA (pCi/L)	0.613	1.30		2.77	EPA 900.0	07/22/15	15G0226-03	M-PA1706	Microbac Lab.
URANIUM - activity (pCi/L)					DOE 1990 U-02			M-PA1706	Microbac Lab.

Report Uranium result and MDL in (pCi/L) as analyzed, otherwise use formula to calculate [Uranium $\mu\text{g/L} \times 0.67 = \text{Uranium pCi/L}$]. Check this box if result is calculated

ADJUSTED GROSS ALPHA (pCi/L)	----				The MCL for Adjusted Gross Alpha (Gross Alpha minus Uranium) is 15 pCi/L. A gross alpha measurement may be substituted for the uranium analysis, if the gross alpha result is equal to or less than 15 pCi/L. If gross alpha exceeds 15 pCi/L, uranium must also be measured.				
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URANIUM - mass ($\mu\text{g/L}$)			30		DOE 1990 U-02			M-PA1706	Microbac Lab.
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Report Uranium result and MDL in ($\mu\text{g/L}$) as analyzed, otherwise use formula to calculate [Uranium pCi/L / 0.67 = Uranium $\mu\text{g/L}$]. Check this box if result is calculated

RADIUM-226 (pCi/L)	0.000	0.307		0.689	EPA 903.1	07/23/15	15G0226-03	M-PA1706	Microbac Lab.
RADIUM-228 (pCi/L)	0.0597	0.396		0.908	EPA 904.0	07/23/15	15G0226-03	M-PA1706	Microbac Lab.

COMBINED RADIUM (pCi/L)		----			The MCL for Combined Radium (Radium-226 plus Radium-228) is 5 pCi/L. A gross alpha measurement may be substituted for the radium-226 analysis, if the gross alpha result is equal to or less than 5 pCi/L. If gross alpha exceeds 5 pCi/L, radium-226 must also be measured.				
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GROSS BETA (pCi/L)	1.95	0.565	*	0.942	EPA 900.0	07/22/15	15G0226-03	M-PA1706	Microbac Lab.
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*The MCL for gross beta is 4 mrem/year. If gross beta exceeds 50 pCi/L, analysis of the sample for Photon Activity shall be performed to identify the major radioactive constituents. Gross Beta testing is optional, unless specifically required by DEP.

RADON (pCi/L)			**						
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**Radon testing is optional, unless specifically required by DEP. The MA guideline for Radon is 10,000 pCi/L. The EPA has proposed a radon MCL of 300 - 4000 pCi/L.

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: Tod Kappas

Date: 8-6-15

If not submitting these results electronically, mail TWO copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

DEP REVIEW STATUS (Initial & Date)	Review Comments	<input type="checkbox"/> WQTS Data Entered
<input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____		



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 PWS Name: **Monson Water & Sewer Dept.** PWS Class: COM NTNC TNC

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information		Date Collected	Collected By
10002	Well #2 Palmer Rd	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	07/07/15	C. Jalbert
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	(1) Reason for Resubmission		(2) Collection Date of Original Sample	
		<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE NOTES - (Such as, if a Manifold/Multiple sample, list any sources that were on-line line during sample collection).					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **MA-100** Primary Lab Name: **Con-Test Analytical Lab** Subcontracted? (Y/N) **Y**

Was this sample composited by the Lab? <input type="checkbox"/>	COMPOSITE SAMPLE NOTES List the composited source by DEP Source Code (XXXXXXX-XXX) and dates collected, up to four consecutive quarterly samples per single entry point.
LAB SAMPLE NOTES	
Sub Lab Name: Microbac Laboratories	

Contaminant	RESULT	Std Dev (+/-)	MCL	MDL	Lab Method	Date Analyzed	Lab Sample ID#	Analysis Lab MA Cert#	Analysis Lab Name
GROSS ALPHA (pCi/L)	0.361	1.27		2.92	EPA 900.0	07/22/15	15G0226-02	M-PA1706	Microbac Lab.
URANIUM - activity (pCi/L)					DOE 1990 U-02			M-PA1706	Microbac Lab.

Report Uranium result and MDL in (pCi/L) as analyzed, otherwise use formula to calculate [Uranium $\mu\text{g/L} \times 0.67 = \text{Uranium pCi/L}$]. Check this box if result is calculated

ADJUSTED GROSS ALPHA (pCi/L)		----			The MCL for Adjusted Gross Alpha (Gross Alpha minus Uranium) is 15 pCi/L. A gross alpha measurement may be substituted for the uranium analysis, if the gross alpha result is equal to or less than 15 pCi/L. If gross alpha exceeds 15 pCi/L, uranium must also be measured.				
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URANIUM - mass ($\mu\text{g/L}$)			30		DOE 1990 U-02			M-PA1706	Microbac Lab.
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Report Uranium result and MDL in ($\mu\text{g/L}$) as analyzed, otherwise use formula to calculate [Uranium pCi/L / 0.67 = Uranium $\mu\text{g/L}$]. Check this box if result is calculated

RADIUM-226 (pCi/L)	0.333	0.505		0.872	EPA 903.1	07/23/15	15G0226-02	M-PA1706	Microbac Lab.
RADIUM-228 (pCi/L)	0.161	0.435		0.977	EPA 904.0	07/23/15	15G0226-02	M-PA1706	Microbac Lab.
COMBINED RADIUM (pCi/L)		----			The MCL for Combined Radium (Radium-226 plus Radium-228) is 5 pCi/L. A gross alpha measurement may be substituted for the radium-226 analysis, if the gross alpha result is equal to or less than 5 pCi/L. If gross alpha exceeds 5 pCi/L, radium-226 must also be measured.				

GROSS BETA (pCi/L)	1.66	0.618	*	1.07	EPA 900.0	07/22/15	15G0226-02	M-PA1706	Microbac Lab.
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RADON (pCi/L)			**						
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I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: Ted Keenan

Date: 8-6-15

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COPY

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DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information		Date Collected	Collected By
10009	06G&07G Bunyan Road	<input checked="" type="checkbox"/> (M)ultiple <input type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	07/07/15	C. Jalbert
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	(1) Reason for Resubmission		(2) Collection Date of Original Sample	
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LAB SAMPLE NOTES	
Sub Lab Name: Microbac Laboratories	

Contaminant	RESULT	Std Dev (+/-)	MCL	MDL	Lab Method	Date Analyzed	Lab Sample ID#	Analysis Lab MA Cert#	Analysis Lab Name
GROSS ALPHA (pCi/L)	0.799	0.911		1.88	EPA 900.0	07/22/15	15G0226-01	M-PA1706	Microbac Lab.
URANIUM - activity (pCi/L)					DOE 1990 U-02			M-PA1706	Microbac Lab.

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ADJUSTED GROSS ALPHA (pCi/L)	----				The MCL for <i>Adjusted Gross Alpha</i> (Gross Alpha minus Uranium) is 15 pCi/L. A gross alpha measurement may be substituted for the uranium analysis, if the gross alpha result is equal to or less than 15 pCi/L. If gross alpha exceeds 15 pCi/L, uranium must also be measured.				
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URANIUM - mass ($\mu\text{g/L}$)			30		DOE 1990 U-02			M-PA1706	Microbac Lab.
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Report Uranium result and MDL in ($\mu\text{g/L}$) as analyzed, otherwise use formula to calculate [Uranium pCi/L / 0.67 = Uranium $\mu\text{g/L}$]. Check this box if result is calculated

RADIUM-226 (pCi/L)	0.410	0.501		0.820	EPA 903.1	07/23/15	15G0226-01	M-PA1706	Microbac Lab.
RADIUM-228 (pCi/L)	-0.172	0.418		0.981	EPA 904.0	07/23/15	15G0226-01	M-PA1706	Microbac Lab.
COMBINED RADIUM (pCi/L)		----			The MCL for <i>Combined Radium</i> (Radium-226 plus Radium-228) is 5 pCi/L. A gross alpha measurement may be substituted for the radium-226 analysis, if the gross alpha result is equal to or less than 5 pCi/L. If gross alpha exceeds 5 pCi/L, radium-226 must also be measured.				

GROSS BETA (pCi/L)	1.20	0.655	*	1.25	EPA 900.0	07/22/15	15G0226-01	M-PA1706	Microbac Lab.
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RADON (pCi/L)			**						
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Primary Lab Director Signature: Tod Kopp

Date: 8-6-15

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