



Date of Issue: 06/27/2018 04:04:09

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NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Abandoned Mine Reclamation

Sample ID: 7135 013

Date Collected: 06/06/2018 11:30:00 AM

Lab Sample ID: I2018014511

Status: Completed

Name of Sample Collector: Joseph S Kasulaitis

Date Received: 06/07/2018

County: Berks

State:

Municipality: Windsor Twp

MP ID: WATER1 158445

MP Type: Impoundment

MP Location Description: Water from impoundment

* Alias ID	Project / Facility
WATER1	KERNSVILLE

Sample Medium: Water

Sample Medium Type: Water

Location: NOT INDICATED

Reason: Routine Sampling

Project: KERNSVILLE Kernsville Dam

Standard Analysis: 707

Matrix: Water

Stream Condition:

Sample Comment: Schuylkill River

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
00410M ALKALINITY AS CaCO3 @ pH 3.9	40.4 MG/L	06/07/2018 02:24 PM	MTUZINSKI	SM 2320B
01106A ALUMINUM, DISSOLVED (WATER & WASTE) BY ICP	<200.0 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01105A ALUMINUM, TOTAL (WATER & WASTE) BY ICP	<200 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01025A CADMIUM, DISSOLVED (WATER & WASTE) BY ICP	<10.0 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01027A CADMIUM, TOTAL (WATER & WASTE) BY ICP	<10.0 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00915A CALCIUM, DISSOLVED (WATER & WASTE) BY ICP	28.351 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00916A CALCIUM, TOTAL (WATER & WASTE) BY ICP	28.017 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01040A COPPER, DISSOLVED (WATER & WASTE) BY ICP	<10 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01042A COPPER, TOTAL (WASTER & WASTE) BY ICP	<10 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01046A IRON, DISSOLVED (WATER & WASTE) BY ICP	<20 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01045A IRON, TOTAL (WATER & WASTE) BY ICP	284.000 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00925A MAGNESIUM, DISSOLVED (WATER & WASTE) BY ICP	15.522 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00927A MAGNESIUM, TOTAL (WATER & WASTE) BY ICP	15.362 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01056A MANGANESE, DISSOLVED (WATER & WASTE) BY ICP	346.000 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01055A MANGANESE, TOTAL (WATER & WASTE) BY ICP	352.000 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01065A NICKEL, DISSOLVED (WATER & WASTE) BY ICP	<50 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01067A NICKEL, TOTAL (WATER & WASTE) BY ICP	<50 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00403M pH Reported with 3.9 alk	7.5 pH units	06/07/2018 02:24 PM	MTUZINSKI	SM 4500-H+ B
** Comment ** Holding Time Exceeded				
00935A POTASSIUM, DISSOLVED (WATER & WASTE) BY ICP	1.310 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00937A POTASSIUM, TOTAL (WATER & WASTE) BY ICP	1.300 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00955A SILICA, DISSOLVED (WATER & WASTE) BY ICP	6.908 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00956A SILICA, TOTAL (WATER & WASTE) BY ICP*	6.974 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00930A SODIUM, DISSOLVED (WATER & WASTE) BY ICP	12.967 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00929A SODIUM, TOTAL (WATER & WASTE) BY ICP	12.885 MG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
00095 SPECIFIC CONDUCTIVITY @ 25.0 C	349.00 umhos/cm	06/07/2018 02:34 PM	MTUZINSKI	SM 2510B
00403T Temperature at which pH is measured	18.58 C	06/07/2018 02:24 PM	MTUZINSKI	SM 4500-H+ B
70508 Total Acidity as CaCO3 @ pH 8.3	-26.80 MG/L	06/07/2018 12:00 AM	JANJOHN	SM 2310B
00940A Total Chloride-Colorimetric	18.0 MG/L	06/14/2018 06:17 PM	CRADEK	SM 4500-CL- E
70300U TOTAL DISSOLVED SOLIDS @ 180C BY USGS-I-1750	224 MG/L	06/07/2018 12:12 PM	LWILKINSON	USGS I-1750
00620A Total Nitrate Nitrogen-Colorimetric	0.80 MG/L	06/07/2018 11:17 AM	TBEAR	EPA 353.2
00945A Total Sulfate-Colorimetric	103.8 MG/L	06/07/2018 12:30 PM	LHREHA	EPA 375.2
00530 TOTAL SUSPENDED SOLIDS	<5 MG/L	06/07/2018 10:18 AM	LWILKINSON	USGS I-3765
01090A ZINC, DISSOLVED (WATER & WASTE) BY ICP	10.000 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7
01092A ZINC, TOTAL (WATER & WASTE) BY ICP	10.000 UG/L	06/08/2018 01:13 PM	CREITMEYER	EPA 200.7

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2009 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.
* denotes tests that the laboratory is not accredited for

Taru Upadhyay, Technical Director, Bureau of Laboratories