



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Active and Abandoned Mine Operations

Solebury Township Annual NHCS Update Meeting 2016

Pottsville District Mining Office

Michael Menghini – District Mining Manager
Craig Lambeth – Regional Counsel
Virginia Cain – Office of Field Operations
Gary Latsha – Inspector Supervisor
Glenn Florence – Bureau of Mining Programs
Michael Kutney, P.G. – Permitting

September 2016

Overview

- Pending Permits & Permit Actions
- PCWA & PennFuture Settlement
- Complaints
- Sinkholes
- Basin Sedimentation
- Monitoring Wells & Groundwater
- Quarry Pumping
- Inspections & Violations
- EHB Activities
- PADEP Plans
- Numbers
- Reclamation Photos
- Questions

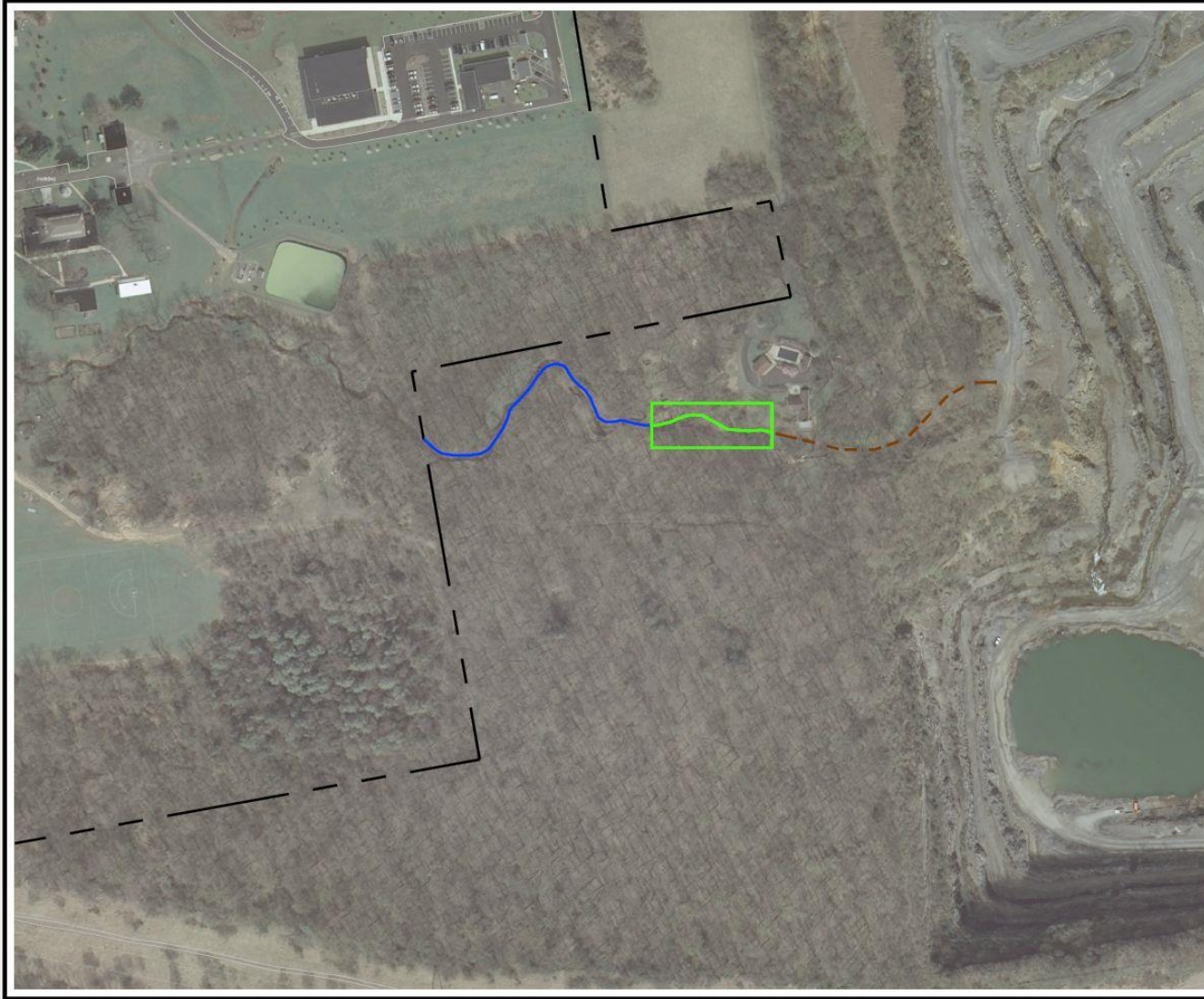
Pending Permits

- Received NPDES renewal application in late June 2012 – no decision made
 - Solebury Township was copied on application
 - Solebury Township was copied on correspondence

Permit Actions

- Issued emergency permits to repair sinkholes in Primrose Creek
- Issued minor revision to authorize stream work
- Issued GP-104 stormwater management permit for stream work
- Issued bond increment to upgrade bond to current liability amount

▶ PCWA & PennFuture Settlement



- LEGEND**
- INSTREAM AND NEARBY SINKHOLES (PARAGRAPH 3.a)
 - PRIMROSE CREEK (DOWNSTREAM EDGE TO QUARRY HIGHWALL) (PARAGRAPH 3.b)
 - PRIMROSE CREEK (UPSTREAM EDGE TO PROPERTY LINE) (PARAGRAPH 3.c)
 - PROPERTY LINE

EXHIBIT A CONSENT ORDER AND AGREEMENT		NEW HOPE CRUSHED STONE AND LIME CO. 6970 Phillips Mill Road New Hope, PA	
DRAWN BY: <i>MSW</i>	CHECKED BY: <i>LJV</i>	PROJECT NO: 011012.099	
DATE: 5/21/2013		DRAWING SCALE: 1" = 200'	
ENVIRONMENTAL ENGINEERING and SCIENCE EarthRes Group, Inc. P.O. Box 468 6912 Old Easton Road Pipestville, PA 18847 USA www.earthres.com 215-766-1211			

▶ PCWA & PennFuture Settlement

- NHCS Obligations
 - Perform stream restoration work
 - Different segments prioritized:
 - swallet area (instream sinkholes)
 - Downstream of swallet area to quarry
 - Upstream to School property
 - Additional discharge monitoring (TSS)
 - Weekly sampling or within 24 hours of a 1-year, 24-hr storm
 - Currently ongoing
 - PECO culvert clean out

▶ PCWA & PennFuture Settlement

- PADEP Obligations
 - Require additional discharge monitoring (TSS) in next NPDES permit
 - Weekly sampling or within 24 hours of a 1-year, 24-hr storm
 - Currently ongoing
 - Provide PCWA and PennFuture 30 days to comment on restoration work
 - Will provide response to comments not being addressed by PADEP actions

Complaints

- 3rd Quarter 2015 blasting complaint
 - Shot in compliance
 - Department seismograph placed at location never registered vibrations
- 4th Quarter 2015 blasting and dust complaint
 - Shot in compliance
 - Department seismograph placed at location never registered vibrations

Complaints

- 4th Quarter 2015 blasting complaint
 - Investigated by blasting inspector
 - Shot in compliance
- No well complaints reported to Pottsville Office

Sinkholes

- Sinkhole Summary
 - 4th quarter 2015
 - Sinkholes repaired by NHCS and Spectra Energy

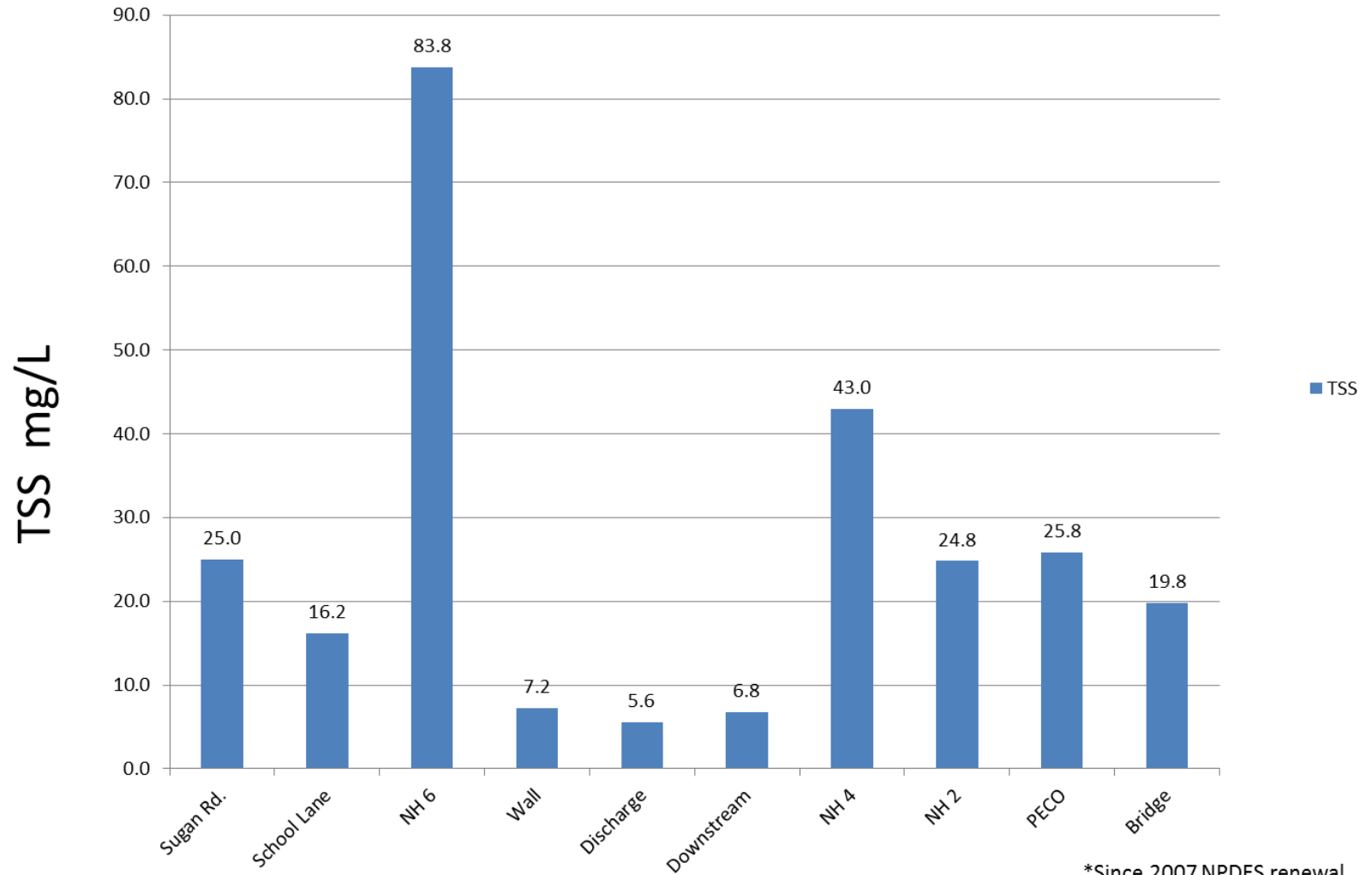
Basin Sedimentation

New Hope Crushed Stone PA DEP Sample Locations



Basin Sedimentation

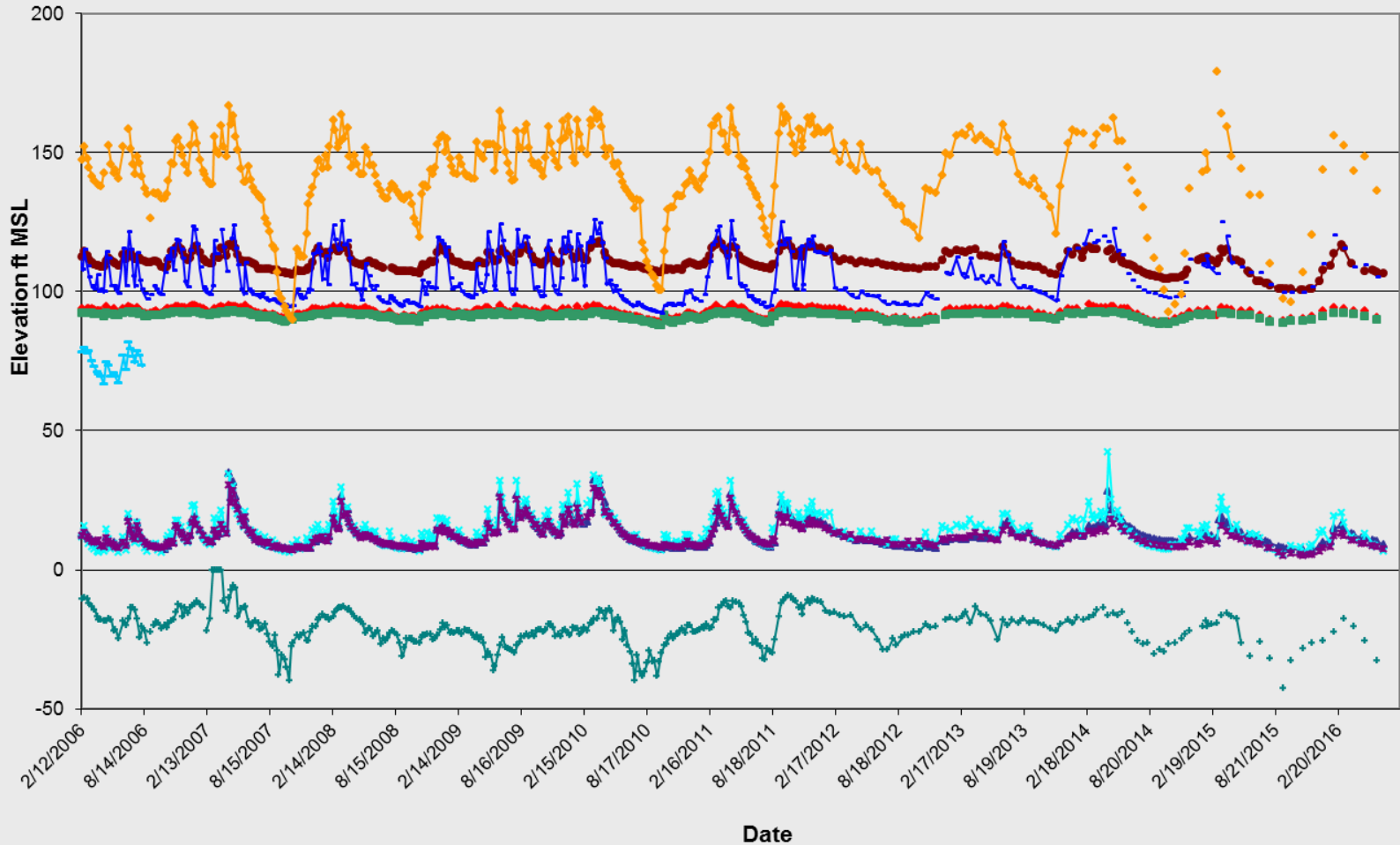
Primrose Creek Basin-Wide Average Total Suspended Solids*



*Since 2007 NPDES renewal

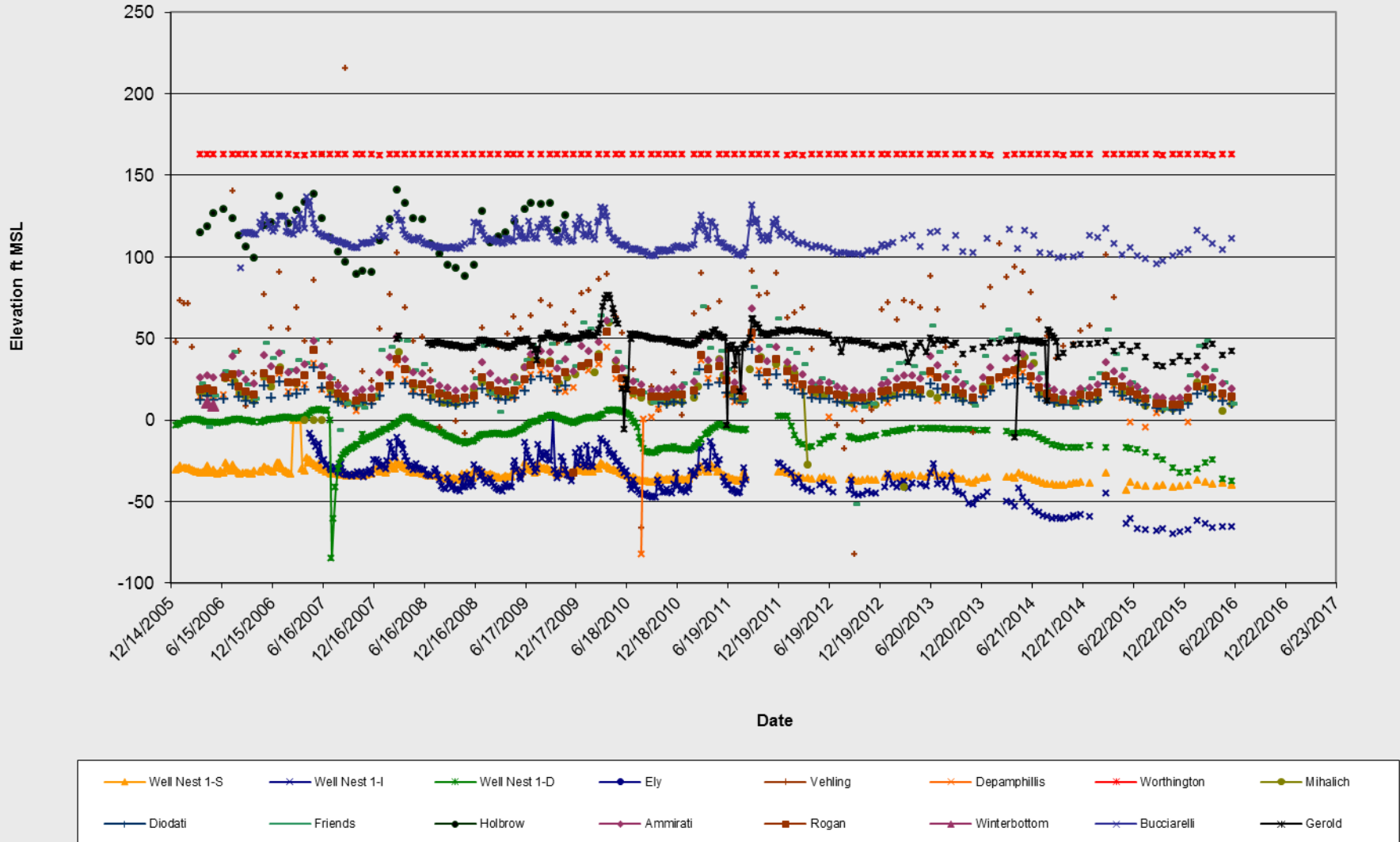
Monitoring Wells & Groundwater

Monitoring Well Elevations at
New Hope Crushed Stone and Lime Co., Inc. SMP# 7974SM3



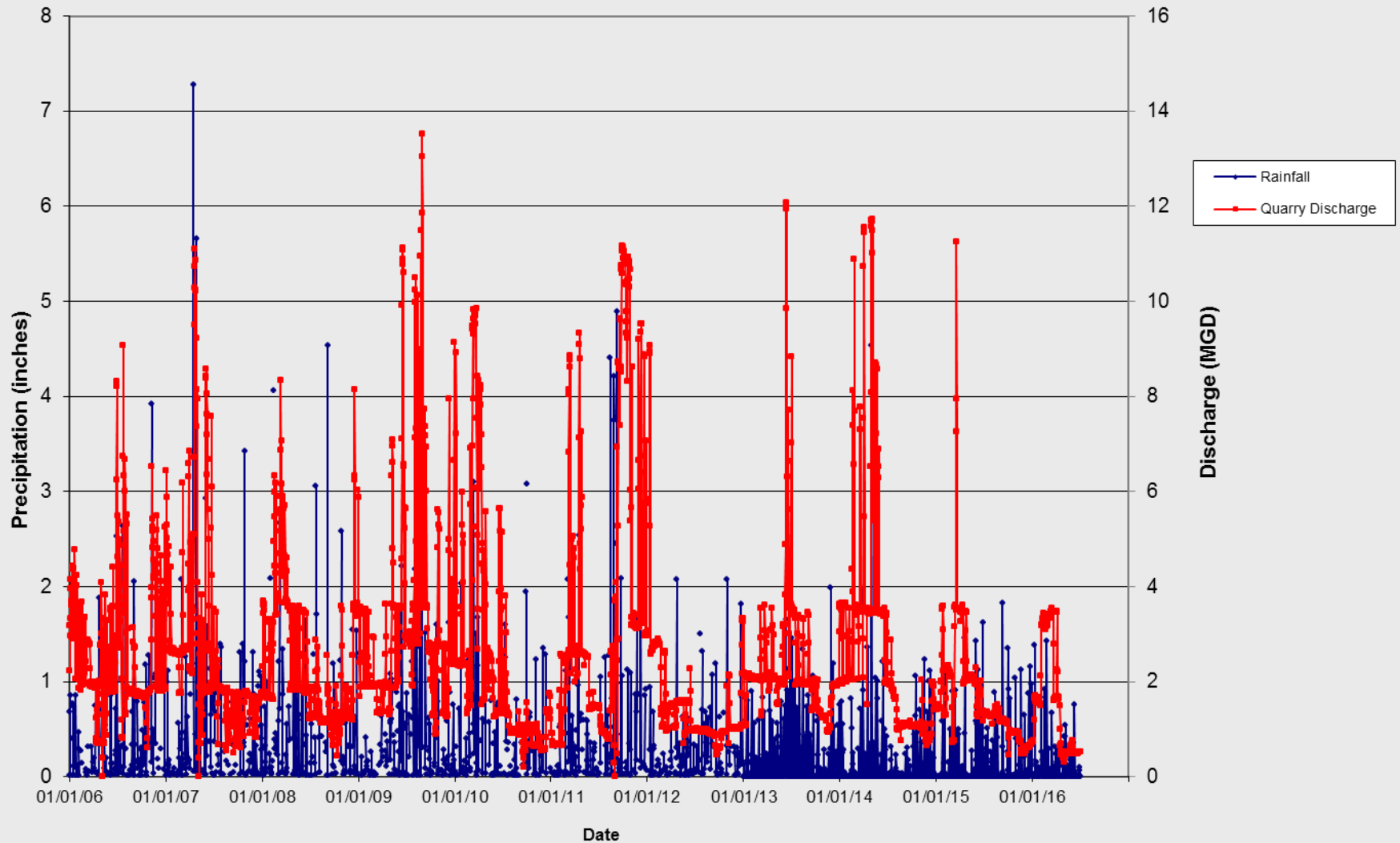
Monitoring Wells & Groundwater

Residential Well Elevations at
New Hope Crushed Stone and Lime Co., Inc. SMP# 7974SM3



Quarry Pumping

Precipitation and Quarry Discharge (MGD) at New Hope Crushed Stone & Lime Co., SMP# 7974SM3



Inspections & Violations

- October 2015 compliance order
 - Reclamation plan to abate the nuisance based on time needed, not based on mineable reserves
 - Quarry flooding schedule
 - Installation of well on Solebury School
 - Stream restoration work timetable

Inspections & Violations

- August 2016 compliance order
 - Failure to conduct the reclamation and abatement on schedule
- Inspection reports forwarded to Solebury Twp.

EHB Activities

- Rescinded the depth correction
- No mining below -120' MSL level
- Abate the nuisance
- PADEP did not appeal
- NHCS appealed, then withdrew its appeal
- EHB hearing in May 2016 denied NHCS' petition for a supersedeas
- Hearing scheduled for March 2017 for appeal of January 29, 2016 letter

PADEP Plans

- Review NPDES renewal application
- Enforce the EHB adjudication
- Defending the appeal of the January 2016 letter

Numbers

- 500,000 gallons per day
 - Minimum pumping volume, requested by Solebury Township
- 98' and 48' MSL
 - Projected post-mining water level
 - Chapter 77.594 requires reclamation slopes to extend 50 feet lower
- \$1,144,029, \$356,200 and \$54,341
 - Posted bond under PILB
 - Amount paid in since
 - Current annual payment

Reclamation Photos



Reclamation Photos



Reclamation Photos



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Reclamation Photos



Reclamation Photos



Reclamation Photos



Reclamation Photos



Questions?



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