



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Active and Abandoned Mine Operations

# **New Hope Crushed Stone**

Monthly Update

Solebury Communications Group

October 2016

Tom Wolf, Governor

Patrick McDonnell, Acting Secretary

# October 2016 Project Status

<b>STATUS AS OF:</b>	October 31, 2016
<b>PROJECT</b>	New Hope Crushed Stone (NHCS) Quarry Reclamation and Stream Restoration
<b>START DATE</b>	Reclamation: January 29, 2016 Stream Restoration: January 29, 2016
<b>ANTICIPATED COMPLETION DATE</b>	Reclamation: March 2019 Stream Restoration: March 2019
<b>CURRENT STATUS</b>	Quarry Reclamation <span>Behind</span> Stream Restoration <span>On Schedule</span>

# Key Ongoing Factors

- Provisions of the January 29, 2016, letter from DEP to NHCS continue to be in effect.
- Reclamation and stream restoration are required to be completed by March 2019; reclamation is currently behind schedule. A Corrective Action Plan is in place, but needs to be improved.
- NHCS has appealed the January 29 letter to the EHB. A hearing is scheduled for March 20, 2017, at the DEP SERO, Norristown.
- NHCS has appealed the August 23, 2016, Compliance Order and \$20,370 civil penalty.
- The Compliance Order requires NHCS to report on progress by the 5<sup>th</sup> of each month that includes quantifiable data which will be tracked in this monthly status report.

# October 2016 Highlights

- Notice of Proposed Assessment - Update
  - A meeting was held with NHCS regarding points and information they provided regarding the \$20,370 civil penalty amount.
  - The information will result in a reduced civil penalty. This was in process by months end.
- Settlement Negotiations.
  - Talks between DEP and NHCS have continued.
- Inspections done on October 6, 14, 19, and 31
  - Reclamation work was conducted on the top of the northwest wall.
  - Stream restoration work included digging out sinkholes and preparing the area for further work.
  - 500,000 GPD pumping continues. Pit water level is close to topping the south side bench (-85 MSL).

# October 2016 Highlights - Continued

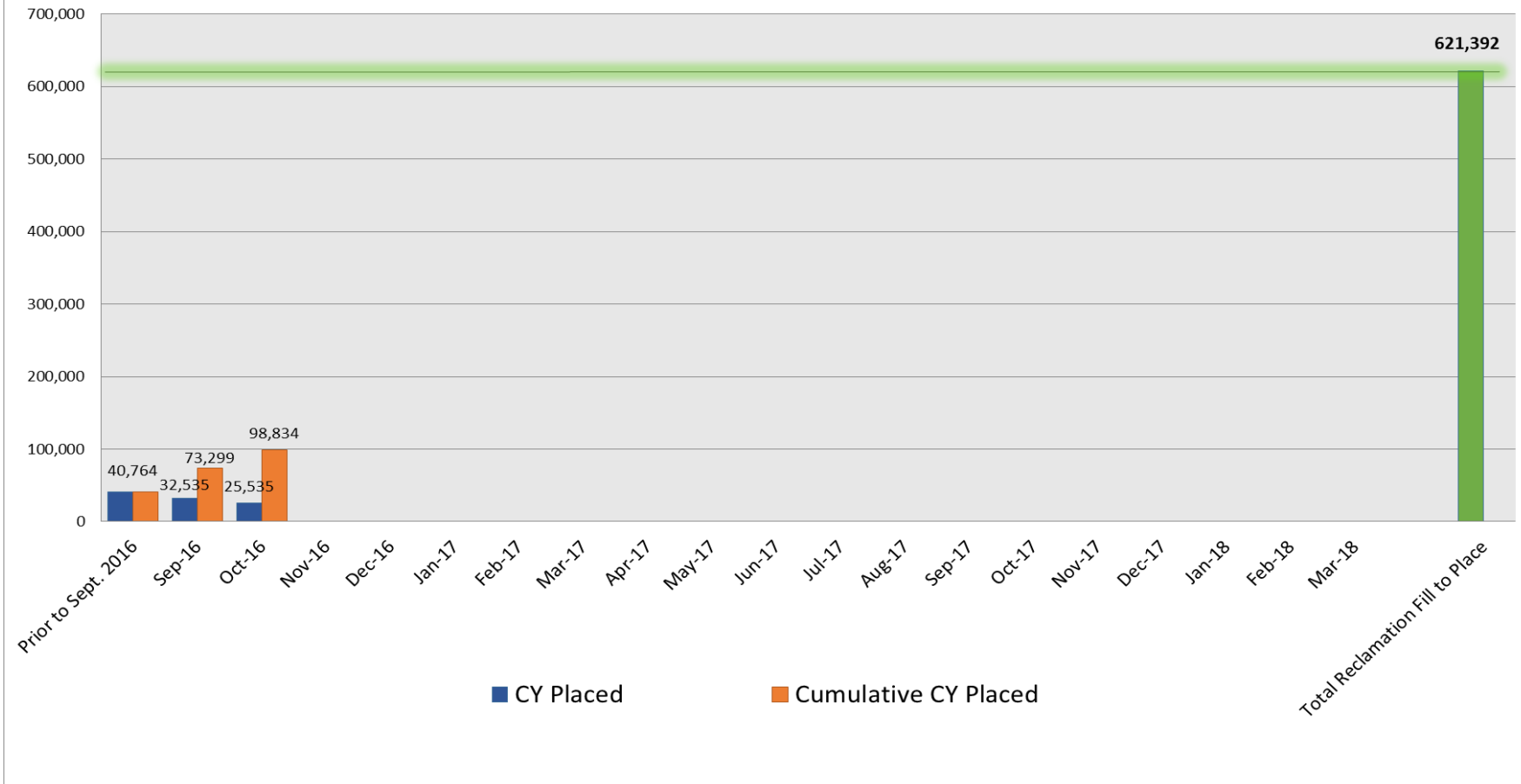
- Reclamation and Restoration Progress
  - On October 21, DEP sent NHCS a letter regarding the Corrective Action Plan for reclamation volume deficiencies.
    - The maximum timeframe needs to be three sequential quarters.
    - A response has been received from NHCS and is under review.
  - 531 truck trips were made in October with 25,535 cubic yards of overburden being placed; total placed to date is 98,834 cubic yards.
    - Truck trip efficiency improved from September; 48.1 versus 34.6 cubic yards per trip.
  - As of the end of October, 15.9% of the total has been moved.
  - Pit area water is at the -85 MSL level, 35 feet above the floor, a change of 25 feet in the last month.

# Monthly Progress Data

Month	Cubic Yards Placed Overburden	Cubic Yards Placed Overburden, Cumulative	Truck Loads
Prior to Sept. 2016	40,764	40,764	
Sep-16	32,535	73,299	940
Oct-16	25,535	98,834	531
Nov-16			
Dec-16			
Jan-17			
Feb-17			
Mar-17			
Apr-17			
May-17			
Jun-17			
Jul-17			
Aug-17			
Sep-17			
Oct-17			
Nov-17			
Dec-17			
Jan-18			
Feb-18			
Mar-18			
<b>Total Reclamation Fill to Place</b>	<b>621,392</b>		
<b>Percentage of total placed to date</b>	<b>15.9%</b>		

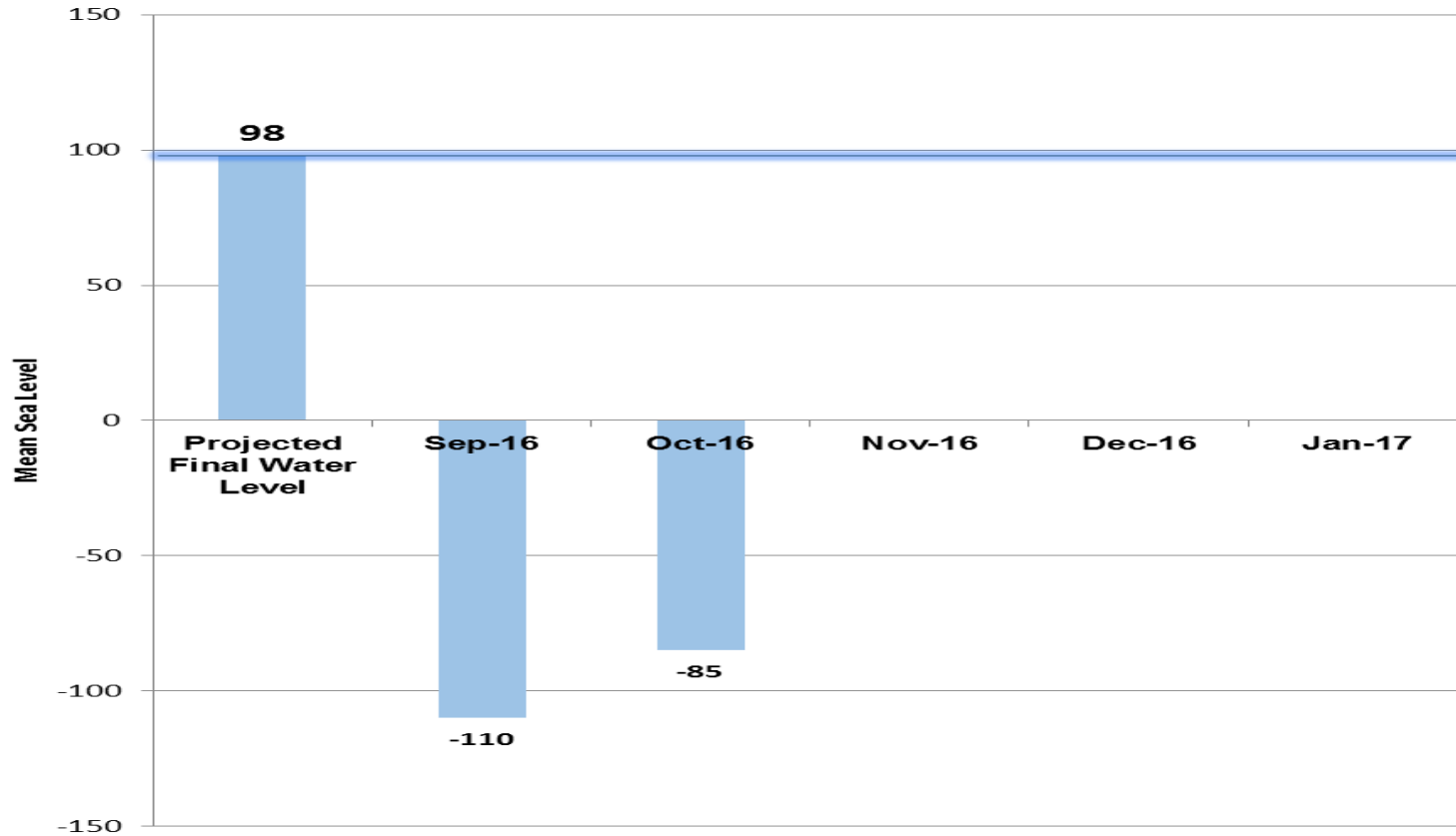
# Reclamation Fill Progress

## Reclamation Fill Tracking



# Monthly Water Level Tracking

## Water Level Status





# NHCS Bench Levels

- Bench 2 60" MSL
- Bench 3 10' MSL
- Bench 4 -35 MSL
- Bench 5 -85 MSL
- Bench 6 -120 MSL



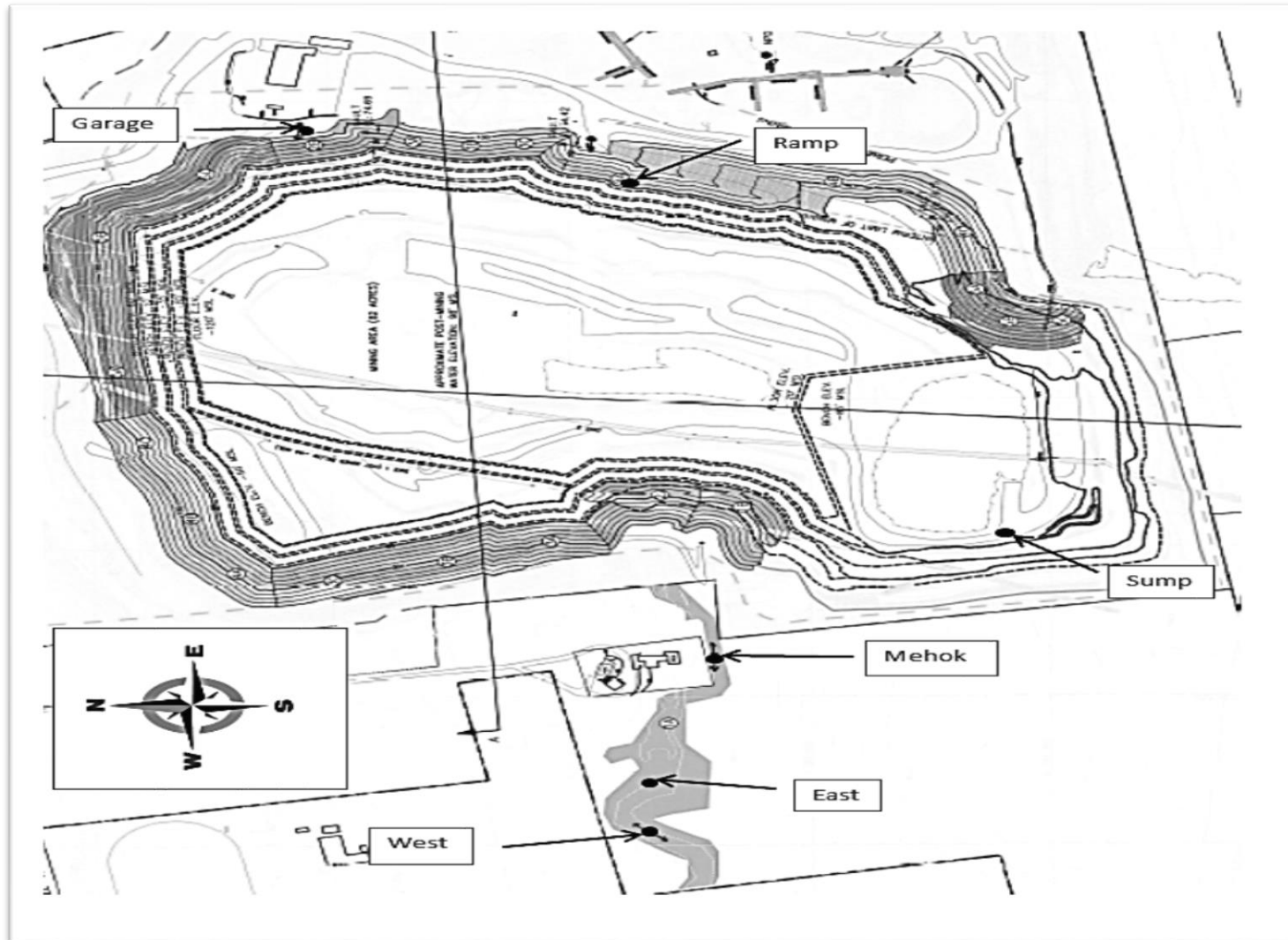
# Establishing Photo Vantage Points

Photos will be taken from these geographic locations during each inspection. Progress summaries will be included with each monthly update.

*Please refer to the map on the next slide.*

- West looking east, west
- East looking east, west
- Mehok looking east, west
- Sump
- Ramp looking south, west
- Garage looking north, south

# Six Photo Vantage Points



# West, Looking East - Restoration



5/12/16

Recent activity on the stream included digging out sinkholes and general preparation work. Pictures will be updated when more progress is made.

# West, Looking West - Restoration



Recent activity on the stream included digging out sinkholes and general preparation work. Pictures will be updated when more progress is made.

# East, Looking East - Restoration



5/12/16

Recent activity on the stream included digging out sinkholes and general preparation work. Pictures will be updated when more progress is made.

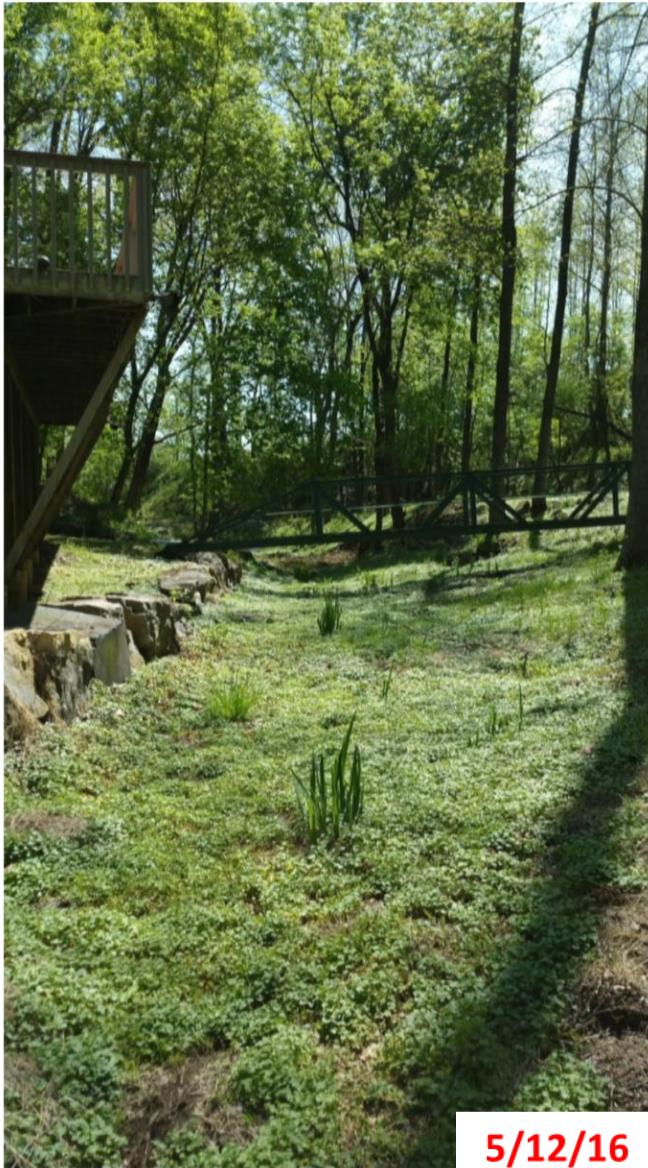
# East, Looking West - Restoration



5/12/16

Recent activity on the stream included digging out sinkholes and general preparation work. Pictures will be updated when more progress is made.

# Mehok, Looking East - Restoration

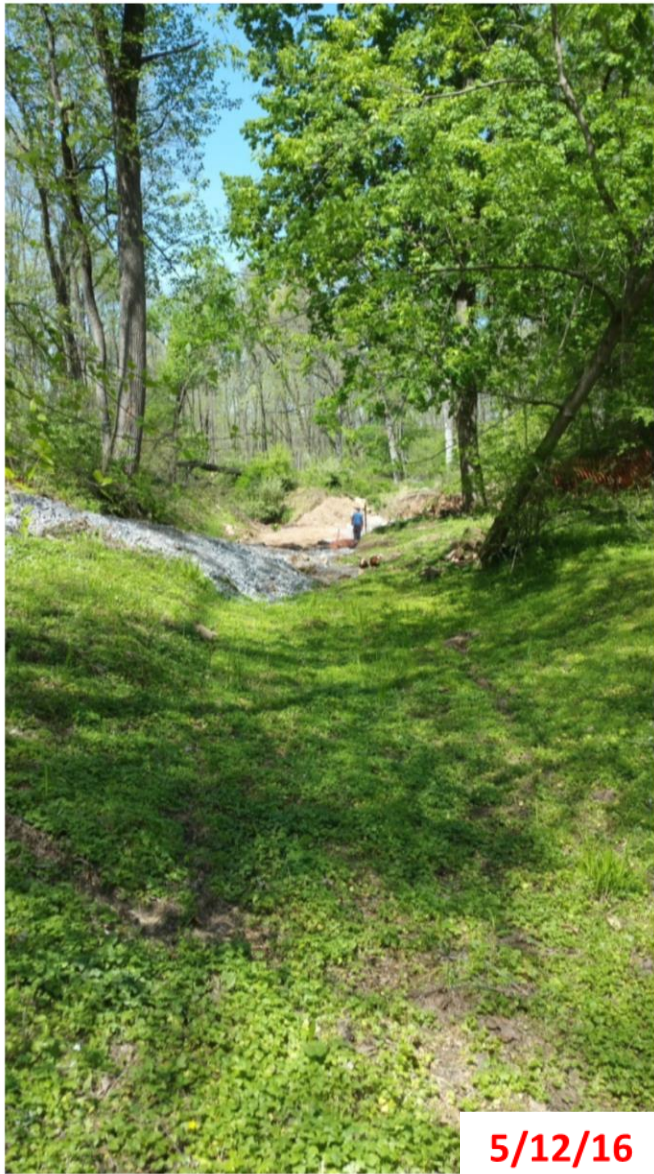


5/12/16

Recent activity on the stream included digging out sinkholes and general preparation work. Pictures will be updated when more progress is made.



# Mehok, Looking West - Restoration



5/12/16

Recent activity on the stream included digging out sinkholes and general preparation work. Pictures will be updated when more progress is made.

# Sump - Reclamation



By months end, no change in water level.



# Ramp, Looking South - Reclamation



Sump area unchanged. Pit area to the right is up to about -85 MSL, or 35 feet above the floor.



# Ramp, Looking West - Reclamation



Overburden has been pushed over the northwest corner. Pit area water is at the -85 MSL level, or 35 feet above the floor.



# ▶ Garage, Looking North - Reclamation



5/12/16

Reclamation work continues in the northwest corner.



10/19/16

# ➤ Garage, Looking South - Reclamation



5/12/16

Water levels continue to rise in the pit area. Reclamation work to the top right.



10/19/16



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# For More Information

Monthly Updates, Inspection Reports,  
Communications and more, posted as available.

Please visit: [www.dep.pa.gov](http://www.dep.pa.gov)

Regional Resources > Southeast Region > Community Information

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