

October 5, 2016

Mr. Gary Latsha  
Inspector Supervisor  
PA Department of Environmental Protection  
Pottsville District Mining Operations  
5 West Laurel Boulevard  
Pottsville, PA 17901

**SUBJECT: New Hope Crushed Stone Quarry  
September 2016 Corrective Action Plan Update  
Compliance Order No. 16-5-032-N  
Noncoal Permit No. 7974SM3  
Solebury Township, Bucks County  
EarthRes Project No. 011012.015**

Dear Mr. Latsha:

On behalf of New Hope Crushed Stone & Lime Company (NHCS), EarthRes Group, Inc. (EarthRes) is providing the monthly Corrective Action Plan (CAP) update in response to Compliance Order No. 16-5-032-N issued by the Department and dated August 26, 2016. This letter details activities at the site for the 3<sup>rd</sup> quarter that was completed during the month of September.

### **September 2016 and 3<sup>rd</sup> Quarter Closure Data**

As shown in the CAP submittal of September 23, 2016, NHCS was projected to place 42,200 cubic yards (cu. yds.) of fill in the 3<sup>rd</sup> quarter. Based upon the schedule in the CAP letter the amount placed in the 3<sup>rd</sup> quarter equaled 73,299 cu. yds., which exceeds the proposed reclamation fill placement as detailed in the CAP. The September 2016 Reclamation Update data is included in the attached table.

Efforts in addition to the fill placement included: 1) sixty-six (66) man-hours on stream restoration work; 2) one-hundred and twelve (112) man-hours completing reclamation support activities, including tree and fence removal and associated grading to enable safe highwall

access; and 3) seventy-eight (78) man-hours moving pipes and pumps to facilitate quarry infilling to the next level.

As Department's January 29, 2016 letter allows either stream restoration or reclamation, and it is further indicated therein that it will take 4 laborers with equipment to complete 200 cu. yds. of backfill per hour; NHCS has determined the additional volume of fill that would have been moved based upon the man-hours of the additional efforts using the rates provided therein. That is, four (4) man-hours completing reclamation or stream activities would be the equivalent of placing 200 cu. yds. of fill/hour. The man-hour data shows that not all reclamation activities include fill placement on or over the highwalls, and using this conversion method an equivalent of an additional 12,800 cu. yds. of fill placement is calculated, as shown on the attached Table.

### **Conclusion**

NHCS has completed significant work in September as they focused primarily on highwall reclamation. Work efforts on stream restoration and/or reclamation will continue in the coming months as scheduled, noting potential limitations due to weather, safety and other factors as indicated in the September 23, 2016 CAP filed with the Department.

If you have any questions or need any additional information, please contact me at (215) 766-1211.

Sincerely,  
**EarthRes Group, Inc.**



Louis F. Vittorio, Jr., P.G.  
Vice President

Enclosure: September 2016 Reclamation Update

cc: Ms. Christina Cursley, NHCS

## September 2016 Reclamation Update

<u>Reclamation Fill</u>	<u>Tons</u>	<u>Loads</u>
Overburden Pile Between North and South Pit	4746	70 est.
West Wall - Small Southern Berm	6500	(push)
West Wall - Medium Central Berm	40000	(push)
July	5600	96
August	4300	71
September	<u>48803</u>	940
Tons	109949	
Yards	73299	

<u>Additional Efforts</u>	<u>Hours</u>	<u>Equivalent Yards</u>
Stream Work	66	3300
Reclamation Support Activities	112	5600
Moving Pumps and Piping	<u>78</u>	<u>3900</u>
Totals	256	12800