ILLINOIS DEPARTMENT OF NATURAL RESOURCES
OFFICE OF MINES AND MINERALS
MINE SAFETY AND TRAINING DIVISION

AGGREGATE RECLAMATION/BLASTING PRELIMINARY INSPECTION REPORT

INSPECTION TYPE: [X] Aggregate Reclamation [X] Aggregate Blasting Operator No.: 541

Inspector: Myron McCaskey (13) Date: 11/04-05/13 Last Inspection Date: 04/18/13

Company and Mine: Material Service Corporation – Federal Quarry – Yard No.19 Site No.: 031-202

County(s):	Location:	Twp.	Rng.	Sect.	Twp.	Rng.	Sect.
Cook		38N	12E	10			

Mineral(s) Mined: Limestone Ground Conditions: Warm, Wet

Permits: 1551-02

Site Activity or Observations:
Mining X Blasting X Open with no mining or blasting activity ____ Reclamation only ____ Inactive ____

Inspection Parameter Checklist:

1. BLASTING
- X Blasting Records
- X Seismograph Records
- X Field Compliance (signs, warnings, flyrock, access control)
- X Accident Prevention
- Number of Contacts 1
- Mine Size: X Small (less than 50 employees); ____ Large
- Time Spent: ____ 30 min. ____ 1 hr. ____ 2 hr.
- ____ Other ____

2. RECLAMATION
- X Grading
- ____ Runoff control
- X Revegetation
- ____ Lateral Support
- X Affected Acreage Check
- ____ Bond Release
- ____ Ten Ac./Ten Ft. Check
- ____ Citizen Inquiry
- ____ Other ____

Actions taken, explanation of visit, observations, comments:

The Department initially responded to the reported seismic event on 11/4/2013 and conducted a blasting records and site inspection the following day. This inspection included a comprehensive review of all blasting and seismograph records, seismograph locations and a physical inspection of the quarry and blasting sites. This inspection revealed that all blasting activity at this site was conducted in accordance with the ground vibration requirements set forth within 62 Ill Admin. Code 300.225.

The operator monitors its blasting activities with four (4) permanently installed seismographs surrounding the quarry and supplements monitoring with an additional portable seismograph which it positions at the nearest protected structure to each blast. On 11/4/2013, these seismographs were positioned between 809-ft and 1,257-ft from the surface blast, and recorded two separate events. The first event occurred at approximately 12:39 P.M. and is attributed to the surface blast conducted at the quarry. The subsequent event, recorded approximately seven (7) seconds later, is of unknown origin.

Again, analysis of the records and seismograph information indicates that the surface blast on 11/4/2013 was conducted in accordance with the applicable standards.