



Banks Mining

Development With Care

SHOTTON ENVIRONMENTAL MONITORING RESULTS NOVEMBER 2009

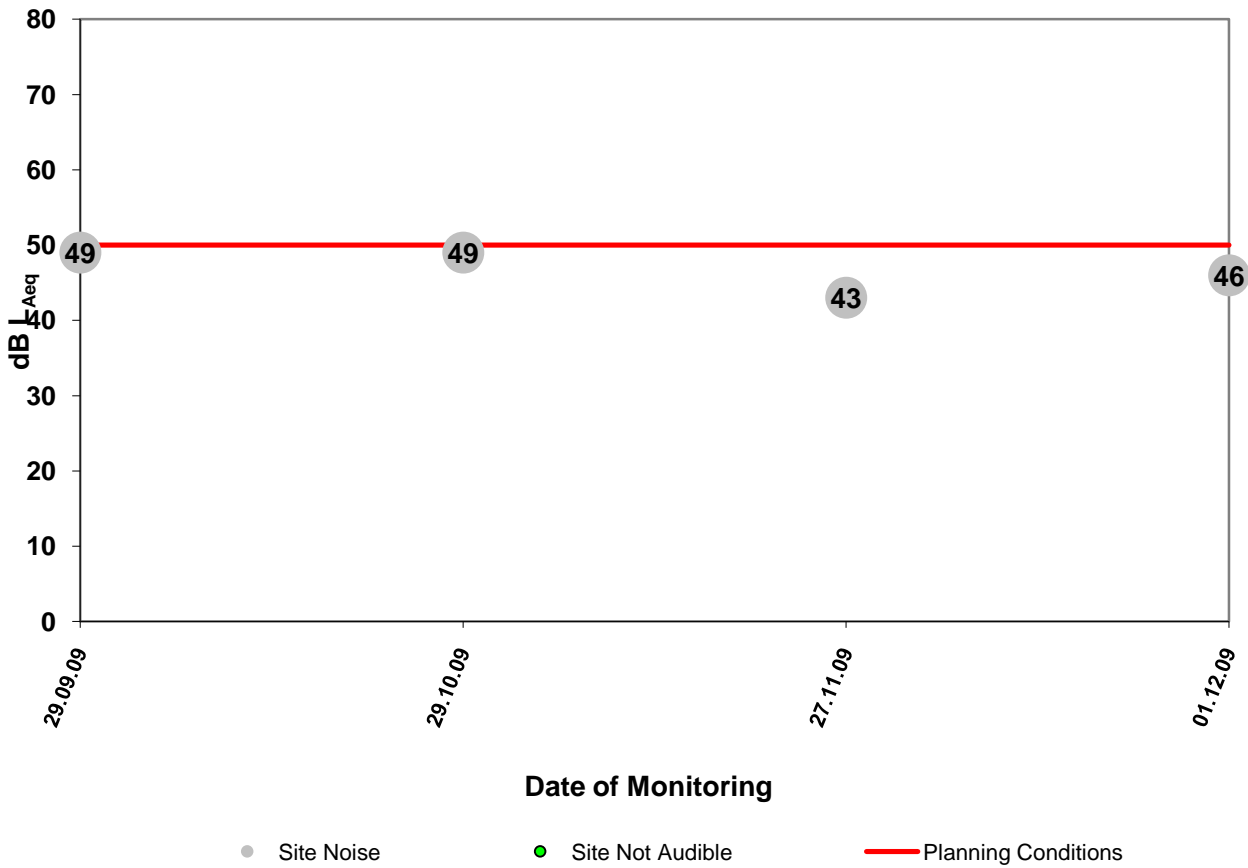
Please refer to the Environmental Management Plan (EMP) for more detail on environmental aspects and monitoring carried out.

Noise Monitoring

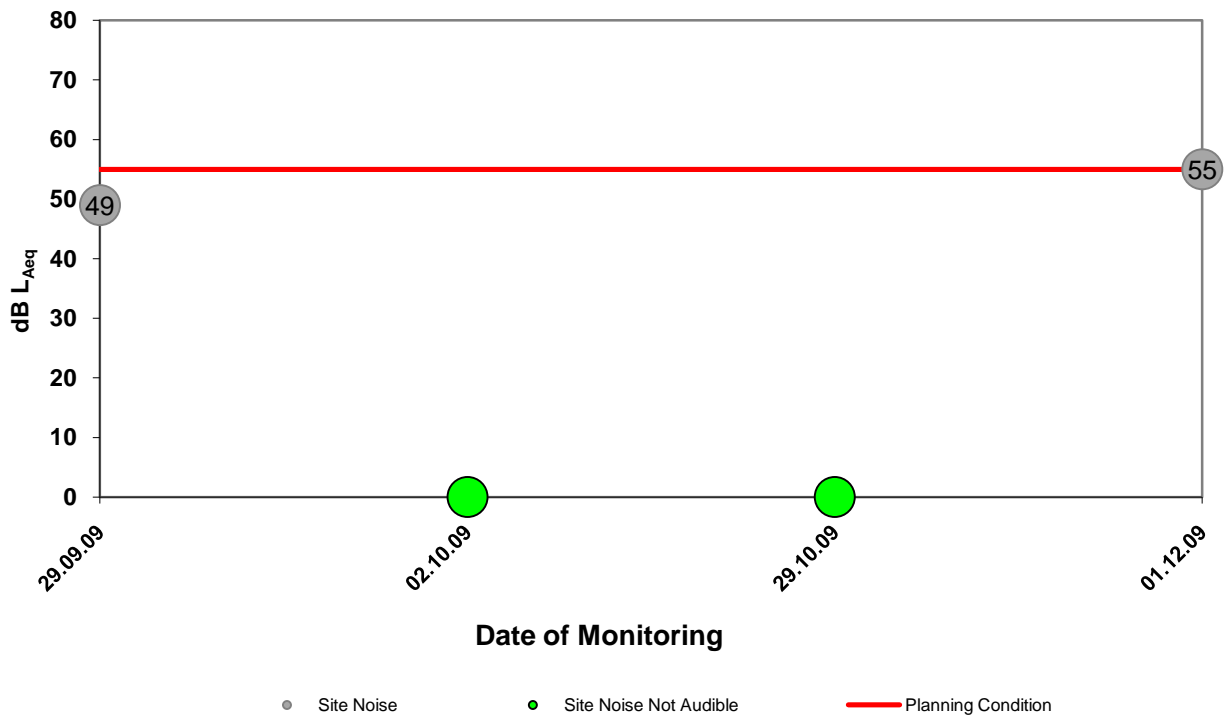
Plant and machinery in use at the Shotton Site was audible at Plessey Hall Farm and South Shotton Farm.

The noise level measurements indicate that planning condition noise limits are being complied with. The graphs below show the noise levels for the site activities being carried out at these locations.

Site Noise Levels - Plessey Hall Farm



Site Noise Levels - Shotton South Farm



Dust Monitoring

Deposited Dust

Officers from the Environmental Health Department at Northumberland County Council change the dust slides weekly, analyse deposits and report their findings.

Deposits are likely to cause concern when 25 soiling units (su) are exceeded - trigger level is 25 su's or more.

MONITORING LOCATIONS

RECEPTOR	TOTAL NUMBER OF SLIDES	NUMBER OF TRIGGERS	DEPOSIT IDENTIFIED
MSD	2		
AESICA	2		
PLESSEY HALL FARM	1		
PLESSEY HALL FARM COTTAGE	1		
KIELDER AVENUE	1		
AZURE	1		
OLD SMITHY	1		
NEW COTTAGES	1		
BRIDGE HOUSE	1		
SOUTH SHOTTON FARM	1		
NORTH SHOTTON FARM	1		
PLESSEY NORTH MOOR FARM	1		
TOTALS	14	0	

PM10 (Respirable) Dust

All hourly alerts were investigated and no 24hr exceedances were due to site operations.

SHOTTON SURFACE MINE - PM10 EXCEEDANCES FOR EACH SENSITIVE LOCATION OVER 24HR PERIOD (cumulative for 2009)

RECEPTOR	TOTAL NUMBER OF EXCEEDANCES	CAUSE IDENTIFIED AS			
		MOISTURE	LOCAL/ REGIONAL	RECEPTOR ACTIVITY	SITE
AESICA	7	6	1		
AZURE	9	9			
BRIDGE HOUSE	0				
OLD SMITHY	0				
PLESSEY HALL FARM	16	16			
PLESSEY N/MOOR FARM	10	10			
SOUTH SHOTTON FARM	14	14			
TEOM (SHOTTON VILLAGE)	0				
TOTALS	56	55	1	0	0
NEWCASTLE DATA	3				

INDICATOR



Lagoon Discharge

Lagoons located at north west of site, Snitterburn and Aesica have discharged during the month. Sample results show waters discharged are well within consent limits.

Vibration Monitoring

Not applicable at this time

November 2009