

BEST PRACTICE

LOCATION:	Quarry	ARTICLE YEAR	2013
ACTIVITY:	Maintenance & Housekeeping	COMPANY:	Hanson UK
SUB ACTIVITY:	N/A	COMPANY LOCATION:	Mercaston Quarry
BEST PRACTICE No:	BP857	COMPANY TEL:	0 1335 360281
COUNTRY OF ORIGIN:	United Kingdom		

TITLE

Monitoring site boundaries

ARTICLE

DESCRIPTION

Trespassing in quarries is an on-going issue for managers and the upkeep of fencing is critical to keep intruders out – particularly young people. Mercaston Quarry in Derbyshire has over seven miles of fencing, making site boundary inspections difficult to monitor and report. Site manager Andy Bull came up with the idea of marking routes and photographing defects using GPS co-ordinates. This enables a comprehensive report to be compiled and viewed by all. It becomes even more useful when a break in the fencing has been found, as the fencing contractor can be shown exactly where to make repairs. A lone worker radio and mobile phone were always issued to the contractor doing the fence inspections but the signal could be intermittent. Research showed that certain GPS devices could be tracked online, in real time, allowing anyone with access to the internet and a computer/smart phone to monitor the progress of the worker.

Andy got hold of the equipment required and with the help of a local contractor tested the new system and the results were much better than expected. Not only did he know the exact location of the contractor at all times whilst he was walking the boundary, he was also able to direct him to areas he may have missed. The GPS logging equipment can be purchased for around £350 and records data with great accuracy. Any camera with GPS can be used.

BENEFITS

- Real-time monitoring of person carrying out inspection, reducing lone worker risks
- Accurate reporting system for fence inspections and repairs
- Proper inspection of perimeter and fences with accurate records to improve safety of site
- Improved public safety and reduction of trespass.

ARTICLE IMAGES