

BEST PRACTICE

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|--------------------|----------------------------|-------------------|----------------------|
| LOCATION: | Lime & Slag plants | ARTICLE YEAR | 2012 |
| ACTIVITY: | Maintenance & Housekeeping | COMPANY: | Singleton Birch Ltd |
| SUB ACTIVITY: | N/A | COMPANY LOCATION: | Melton Ross Quarries |
| BEST PRACTICE No: | BP811 | COMPANY TEL: | 01652 686000 |
| COUNTRY OF ORIGIN: | United Kingdom | | |

TITLE

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Maerz Kilns – Discharge Table Cylinder Modifications

ARTICLE

DESCRIPTION

Singleton Birch's operation located at Melton Ross has 4 lime kilns each of which incorporate a mechanism of shuffle feeders, known as discharge tables, these are powered by hydraulic cylinders. The discharge tables control the output of the Calcium Oxide from the kilns, they are hydraulically powered and operate 24 hours a day.

Should a cylinder require maintenance, it was necessary to enter the kiln to disconnect the discharge tables from the cylinders; this involved the release of a pin. Maintenance on the cylinder required an operative to enter a confined and potentially hazardous working space in the kiln to release the pin. The works designed a simple and innovative solution to this problem, moving the connection outside the kiln.

BENEFITS

- No confined space entry work is required to service cylinders
- Morale of personnel tasked with the work improved
- One person can test and repair mechanism easily
- Reduced production downtime.

SEE ADDITIONAL PDF FOR MORE INFO

ARTICLE IMAGES

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