Accident reduction in the British Quarrying Industry
Progress Report 2008

Phil Smith (HSE, Great Britain)
Reported incidents by severity

- Baseline
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007

- Fatal
- Major
- 3 day +
- Total

Reported injuries
**Insurance costs**
- covering injury, ill health, damage

**Uninsured costs**
- Lost time
- Extra wages, overtime payments
- Sick pay
- Production delays
- Fines
- Loss of contracts
- Legal costs
- Damage to products, plant, buildings, tools, equipment
- Clearing the site
- Investigation time
- Excess on any claim
- Loss of business reputation
### An example of actual accident costs

<table>
<thead>
<tr>
<th>Description</th>
<th>£</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver Twists ankle exiting vehicle cab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Injured Drivers wages on the day of incident</td>
<td>100</td>
<td>190</td>
</tr>
<tr>
<td>• Part day loss of truck income</td>
<td>200</td>
<td>380</td>
</tr>
<tr>
<td>• Van/Driver to take 2nd driver to complete day’s duties &amp; return injured driver</td>
<td>160</td>
<td>304</td>
</tr>
<tr>
<td>• Second Driver wages to complete day</td>
<td>45</td>
<td>86</td>
</tr>
<tr>
<td>• Injured Drivers Wages – Sick pay 3 additional days</td>
<td>300</td>
<td>570</td>
</tr>
<tr>
<td>• Loss of Income from truck – 3 days</td>
<td>600</td>
<td>1140</td>
</tr>
<tr>
<td>• Administration (accident documentation/investigation)</td>
<td>100</td>
<td>190</td>
</tr>
<tr>
<td>• Total cost for 3 day incident</td>
<td>1505</td>
<td>2860</td>
</tr>
</tbody>
</table>
Incidents by Cause  2006-2007
Injury by cause

![Bar chart showing injury by cause with data for 2000-2001 and 2006-2007. The chart compares reported injuries for MSD, S/T, FFH, and Struck-by categories.]
# TARGET ZERO AIMS & OBJECTIVES

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Quarries National Joint Advisory Committee Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contractors</strong></td>
<td></td>
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</table>
| **Raise the Standards & Consistency of performance in Health & Safety**  
All Contractors should demonstrate commitment to improving health & safety performance by adopting industry-recommended H&S training procedures, job/task specific skills and training to achieve qualifications. They should sustain performance by periodic refresher training.  
- Participation in the development of national qualifications for contractors  
- Delivery of a national scheme/data base detailing contractor information, similar to the ‘Safe Contractor’ & ‘Bank of Contractors’ schemes | |
| **Secure client commitment to improved contractor performance**  
Clients should continue their commitment to improving health and safety performance of contractors and employees by setting equal standards for their direct workforce and contractors. Clients should ensure that all contractors have documentary evidence of their health and safety competence and qualifications. | |
| **To secure effective Site Safety Induction**  
To achieve a consistent approach to the quality and delivery of site safety induction procedures | - Delivery of Good Practice Guide recommending minimum standards for site safety induction and model site- safety rules for contractors |
<table>
<thead>
<tr>
<th><strong>Plant</strong></th>
<th><strong>Road Haulage</strong></th>
<th><strong>Worker Involvement</strong></th>
</tr>
</thead>
</table>
| To eliminate accidents arising from inadequate plant design/installation and maintenance | To eliminate accidents associated with the interface between Quarry and Road Haulage Operations, specifically  
- Falls from Vehicles  
- Vehicle Instability and Illegality  
- Slips & Trips  
- Entry into confined spaces | To secure effective and competent workforce representation |
| • Development of Fixed Plant Safety Standards guidance  
• Participation in international Standards setting through user representation on relevant standards committees | • Develop a ‘Good Practice Toolkit for Quarry and Haulage Operators’ by end March 2008, to include;  
➢ Safe Load Distribution  
➢ Safe Access & Egress to Vehicles  
➢ Promotion of good Housekeeping | |
| By:  
• improving effective communication between Quarry and Haulier personnel  
• promoting safe working practices and a “Right First Time” culture. | |
<p>| | | |
| | | |</p>
<table>
<thead>
<tr>
<th>Education &amp; Training</th>
<th>Objective</th>
<th>Performance Measure</th>
</tr>
</thead>
</table>
|                      | Secure a fully competence-assured industry through competency based qualifications for employees | • 20,000 N/SVQs or equivalent achieved by 2010 ✔
|                      |                                                                          | • New entrants registered for N/SVQs within 12 months of entering the industry
|                      |                                                                          | • All supervisors/managers engaged in CPD scheme                                       |
|                      | Secure a fully competence-assured industry through competency based qualifications for contractors | • 20,000 EPIC Contractor Passports held by 2010 ✔
|                      |                                                                          | • New entrant contractors to achieve a valid passport or equivalent within 6 months of entering the industry |
|                      | Secure a fully competence-assured industry through competency based qualifications for hauliers | • All drivers to hold a drivers skills card or equivalent                             |
• Objective: to raise site health & safety standards

• Site Assessment Scheme – independent assessor
  - safe management of site
  - awareness of legal requirements
  - formal procedures
  - workforce engagement

• Compliance certificate valid 3 years

• Target 75% of members signed up within 3 years
Conclusion

The first phase of this injury reduction initiative demonstrated that the industry was capable of continuous improvement without the site intervention of the regulator.

The challenge facing all those concerned with the industry is how to maintain the momentum of the early years in driving injury rates down to zero.