



**SMART**

Surface Mining Association  
For Research & Technology

[www.smartmines.com](http://www.smartmines.com)

### *Specific Items for Information Sharing*

- |   |             |
|---|-------------|
| <b>1. Equipment Top 10 downtime Reasons (Shovels, Trucks, Dozers, Loaders)</b>      | <b>2002</b> |
| <b>2. Communication and Safety Meetings (On site / Off site, agenda, frequency)</b> | <b>2002</b> |
| <b>3. Mining Organization Structure</b>   | <b>2003</b> |
| <b>4. Shift Change and Coffee Breaks</b>  | <b>2007</b> |
| <b>5. Equipment Replacement Strategy (Truck and Shovel Life)</b>                    | <b>2004</b> |
| <b>6. Support Equipment Requirements</b>  | <b>2004</b> |
| <b>7. Top Safety Items</b>  | <b>2005</b> |
| <b>8. Engine Life Tier 1</b>  | <b>2005</b> |
| <b>9. Key Research Items</b>  | <b>2007</b> |
| <b>10. Heavy Hauler Fueling</b>   | <b>2006</b> |
| <b>11. Shovel PM Strategy</b>   | <b>2006</b> |
| <b>12. Lockout Procedures</b>   | <b>2007</b> |
| <b>13. Fatigue Management</b>   | <b>2007</b> |
| <b>14. Collision Avoidance</b>  | <b>2008</b> |
| <b>15. Diesel Additive</b>  | <b>2008</b> |
| <b>16. Lightening</b>   | <b>2008</b> |
| <b>17. Fire Suppression</b>   | <b>2008</b> |
| <b>18 Washbays</b>  | <b>2008</b> |
| <b>19. Shovel De-Decking</b>  | <b>2008</b> |
| <b>20. Mine Equipment Re-Fueling (updated)</b>                                      | <b>2009</b> |
| <b>21. Update to Equipment Replacement Strategy (item 5)</b>                        | <b>2009</b> |
| <b>22. Integrating New Equipment (Technology Committee)</b>                         | <b>2010</b> |
| <b>23. GIS Geographical Information Systems</b>                                     | <b>2010</b> |
| <b>24. Tire Pressure Monitoring</b>   | <b>2011</b> |
| <b>25. Maintenance Process &amp; Efficiencies (Consultant used)</b>                 | <b>2011</b> |

**Telemetry Survey**  
**Wireless Communications**