BEST PRACTICE

LOCATION: ARTICLE YEAR: 2008

ACTIVITY: Worker Involvement **COMPANY: WBB** Minerals

COMPANY LOCATION: Headon China Clay Works, Devon **SUB ACTIVITY:** N/A

07770 263903 **BEST PRACTICE No: BP553** COMPANY TEL:

TITLE

Worker involvement in the new chemical installation procedures

With the introduction of a new hydrogen peroxide plant at the site, a risk assessment was carried out to identify the potential dangers, which included:

- The use of corrosive chemicals;
- Potentially explosive and flammable chemicals: and
- The potential to cause environmental pollution.

The following issues were recognised too:

- Employee involvement with dangerous chemicals;
- The potential dangers of maintaining the equipment;
 The need to update all emergency procedures and written safety systems, not just hydrogen peroxide;
- The need to involve Devon Fire and Rescue Service, for an •objective• view; and
- The need to ensure all PPE is suitable and effective for the task.

To address these issues the following was carried out:

- 1. Training All employees involved with chemicals, received a one day •general chemical awareness• training session. In addition to this, WBB Minerals™ principal scientist gave a toolbox talk on chemicals. The site management also arranged a one day training and awareness day at the Solvay (suppliers
- of Hydrogen Peroxide) chemical plant in Warrington. All maintenance staff and anyone involved in receiving chemical deliveries attended.
- 2. Work procedures Œ A new robust system was put in place for chemical deliveries and a procedure was introduced to ensure all people delivering chemicals underwent a chemical delivery induction before commencing delivery. Site rules were amended to state that nobody was permitted to deliver chemicals unless they had received the induction training. A toolbox talk was given to employees on these new procedures.
- 3. PPE A technical representative from a chemical PPE specialist advised and trained site personnel on the correct PPE. New relevant PPE was provided.
- 4. Emergency services Œ A meeting with the local fire service identified hazards. To address the concerns an evacuation procedure was produced and alarms installed. To ensure competence, a mock exercise was organised with the fire service to test procedures, and this will be repeated every six months.

ARTICLE IMAGES



