

SAE Award for noise management innovations

Winner of the SAE Award for Noise Management Innovations, the citation reads; "Broadband sound (bbs-tek®) back-up alarms provide a massive reduction in the noise pollution caused by conventional narrow-band back-up alarms together with providing a safer working environment."



Mining – bbs-tek® impresses in Tennessee

July 14, 2006

"Our neighbors and employees are very impressed with the non-piercing sound of your alarms that we have installed on our equipment. We have been replacing all of our standard equipment alarms with Brigade units and stock only Brigade as replacement for rolling stock ... by the way we got our permit yesterday with no opposition. Part of our success can be attributed directly to the Brigade units. We made pre-hearing visits to the neighbors and field trips with neighbors, government officials and consultants where we stressed the importance of your units in meeting MSHA requirements and being environmentally compatible. Off site noise pollution generated by standard alarms has been one of our greatest complaints."

Bill Kelley, Memphis Stone & Gravel



Mining – UK sets bbs-tek® as standard

In the UK, the QNJAC (Quarries National Joint Advisory Committee) working party has called for standard fitment of White Noise (Broadband Sound) backup alarms on mobile plant. The QNJAC comprises of representatives from manufacturers, suppliers, operating companies and the Health & Safety Executive (HSE - UK equivalent to OSHA/MSHA). The committee "accept that reputable manufacturers and suppliers of mobile plant into the UK industry are meeting the essential safety requirements of the Machinery Directive. However, they are finding that significant volumes of accidents are still being generated from the use, maintenance and interaction of pedestrians with mobile plant.

In This Issue

- Mining – Mobile Plant
- Ports – Dock Side Cranes
- Construction – Cement Mixers
- Facility Management – Electric Carts at the Pentagon
- Waste – Trash Collection Trucks
- Landfill Sites

MSHA Advice regarding backup alarms is in standard number 56.14132; being audible above surrounding noise levels and maintained in a functional condition.

OSHA & MSHA; "Blessings have been given by OSHA and MSHA for the white noise alarms." CRMCA & CRPA News April 2004.

Construction - cement mixers

Arizona Materials has started a retrofit program to replace all their existing noisy backup alarms with locatable sound bbs-tek® units. Noise from construction sites is a major source of complaint.

Mining – California test a success

August 24, 2005

Hanson Aggregates West Region tested a bbs-tek® backup alarm at El Cajon California. This site was chosen due to close proximity to neighbors (750 feet) and because early morning operations. Had lead to an on-going issue with noise complaints about backup alarms.

After installation several noise studies were conducted with the plant personnel and safety department regarding the safety effectiveness of this alarm.

The conclusion was that the bbs-tek® alarms are safer because "they are more effective at alerting persons to the hazards and the sound is of a lesser impact outside the operations."



Port of Houston adopts BroadBand sound

Transfer stations & landfill sites

Transfer stations and landfill sites face increasing demands on greater service, but nobody wants to be able to see, hear or smell them! The industry faces great challenges and with increasing ingenuity many problems are being solved. Now with bbs-tek®, one of these problems - complaint about noisy intrusive backup alarms - is eliminated with ease.

Waste Management Republic, and others, have sites enjoying the benefits of bbs-tek®.

Why bbs-tek®?



bbs-tek® backup alarms feature multi-frequency, BroadBand Sound, that is:

Environmentally better, because it gets rid of noise complaints;

- It is less irritating
- The sound does not travel as far

also, because it is

- Locatable, so no more confusion
- Localised to hazard area

Waste

While several regional operators have installed bbs-tek® back-up alarms on their trash trucks, Republics the first major national contractor to recommend to all its operations to review bbs-tek® BroadBand Alarms to improve both safety and eliminate noise complaints.

The New York Department of sanitation has carried out successful trials and expects the specification to be changed in time for their next truck order.

After extensive evaluations of a variety of new technologies to resolve on-going complaints from neighbouring communities, the Port of Houston is now replacing all movement and backup alarms in the Port with bbs-tek®, BroadBand Sound alarms.

At the May 15 new crane arrival ceremony, port representatives told reporters that construction vehicles at the Bayport site are equipped with broadband back-up alarms that sound more like a burst of air than a beep and are not audible over long distances.

Zachry Construction one of the main Bayport contractors has voluntarily switched its entire on-site fleet to the broadband alarms about nine months ago, which made an immediate improvement.

The picture shows a 4-legged RTL. A BBS-102 BroadBand sound alarm is located on each leg, and a 5th specially commissioned bbs-tek® unit is located over the crane to warn of overhead loads.



Pentagon - facility management

The Pentagon is replacing old style bleeping alarms on electric carts and fork trucks with bbs-tek® movement and backup alarms. The old narrowband alarms originally supplied with the machines have been a great source of irritation to senior staff trying to concentrate on national security work.

Fitment of the bbs-tek® alarms has shown how easily the irritation can be eliminated improving the working environment.

These improvements have been noticed by other government agencies in the capital region with high expectation of adoption in a wide variety of facilities.

