



Level



Pressure



Flow



Temperature



Liquid
Analysis



Registration



Systems
Components



Services



Solutions

FMP40 in Bulk Fly Ash Bins- Power

Levelflex replaces mechanical plum-bob device



Power plant



Levelflex installed beside abandoned mechanical device



Fly ash bins

Levelflex is used to measure level in fly ash bins. A previously used mechanical plum-bob device failed in this application.

Company profile

Coal fired power plant which has two 400 MW generating units. Fly ash is a byproduct from electrical power generation.

Application Problems

Fly ash bins previously used a mechanical plum-bob device which continuously failed due to the cable breaking. The top of the bin is 180 feet (55 m) from ground level, with only ladders for access. The maintenance group had given up on the mechanical device due to frequent breakage, which forced the operators to climb the bin several times daily to check the level. With the plant being at 7000 feet (2133 m) elevation; cold, windy and often icy conditions made it dangerous to check levels.

Solution

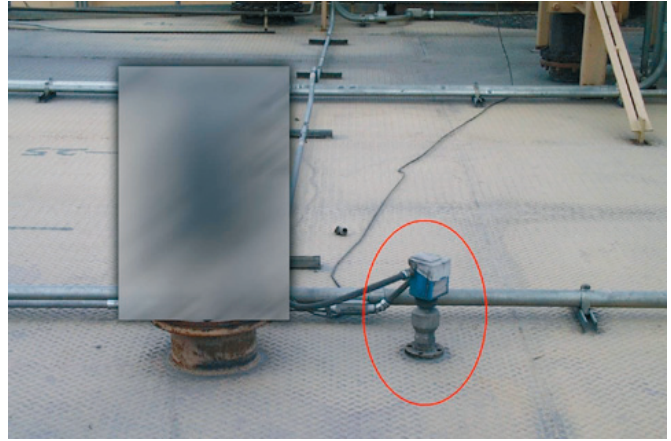
Install Levelflex radar units which are not affected by fly ash build up on the measuring cable. The Levelflex units have been installed for over two and a half years with great success. Refer to the photograph on the back page which illustrates build-up on the cable.

For more information contact:

Endress+Hauser, Inc.
317-535-7138
www.us.endress.com



Fly ash build-up on the Levelflex cable inside the bin.



Levelflex mounted on top of a fly ash bin. The mechanical device (blurred in this picture) was not functional.

ISO 9001:2000 Certified

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