echOsonix™

Application Tech Sheet

River / Lake

Industry: Power Plant, Municipal, Water/Wastewater, Manufacturing
Coal-fired power plant, City utilities, Dam control

Application: Run Off, Intake, Level Monitoring

Critical Factors: Installation, Low Maintenance, Reliability

A stand or arm will generally be used for most of these applications and the more versatile the unit is, the easier it is to mount. These plants are usually run with as few people as possible so maintenance is always an issue. Most plants do not have enough staff to monitor manually so the unit must be reliable once it is configured. Another factor is Weathertight housing because the unit is mounted outdoors and is exposed to the elements for these applications and must be able to handle extreme temperature and weather changes.

What to watch for:

- Weathertight, Location, Remote distance

Installation: Can be mounted on a open top, even using pre-existing mounting.

Use SOR®:

Advantages

- Low cost
- 100-meter remote mounting configuration
- Ease of installation and set-up
- Non-contact instrument

Benefits

- Low cost
- Will operate in temperatures from -40 to 140 degrees F
- Remote mounted electronics

Key Questions:

1. Where is the mounting location?
2. What are the weather conditions for that location?

Ultrasonic Paradigms:

Ultrasonic transmitters are too expensive and too technical to set up and maintain. *echOsonix disproves by providing a simple set-up menu and affordable pricing.*

Other Technology Options:

– Mechanical level, Radar, Laser – High cost, Maintenance, Fog/steam
– RF – Stress on RF probe

Similar Applications:

– Effluent pond monitoring

Contact the factory for more information or alternate product options.
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