PipeWATCH™ is a technique for pipeline leak detection using state-of-the-art satellite imagery that is more efficient and less expensive than traditional air surveillance methods.

PIPEWATCH™ IN ACTION

PipeWATCH™ identified a release event that occurred between Date A and Date B based on vegetation signature change detection. This event was successfully detected by PipeWATCH™ five days prior to the pipeline operator’s knowledge.

100% coverage of your pipeline network with PipeWATCH™
WHAT DOES PipeWATCH™ DO?

PipeWATCH™ utilizes high resolution satellite images collected daily allowing for thousands of kilometers of pipeline networks to be inspected instantly. Through careful examination of vegetation photosynthesis absorption and reflection rates, PipeWATCH™ generates highly sensitive health signatures of pipeline right-of-way vegetation. The method detects vegetative health degradation caused by contamination from a release event.

Daily satellite-based vegetation signatures are compared from one day to the next to accurately identify problem locations. This permanent and growing satellite database delineates release events in a highly reliable and timely manner.

PipeWATCH™ ADVANTAGES

- Daily monitoring throughout the growing season
- Vegetation indices more sensitive to releases than human eye
- Subsurface leak detection capability
- Imagery is multi-use: integrity management, external encroachment, vegetation clearing

DID YOU KNOW?

PipeWATCH™ innovation augments how pipeline companies monitor vast stretches of infrastructure resulting in time and budget efficiencies while reducing risk to employees and the environment. It is a win-win.

RELATIED ITEMS

Satellite Image Assessment for Potential Contamination at Sites

CONTACT US

Ask our PipeWATCH™ experts:

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