AI Camera Monitoring Checklist

A practical pre-PoC screen for wastewater, river CCTV, and fluid-process scenes.

Use this checklist when

You want to know whether an existing camera can support practical review of visible fluid behavior, surface anomalies, foam, scum, oil-film candidates, turbidity appearance, level changes, or flow-state changes.

Core screening questions

- Can an experienced human see the target cue in the footage?
- Is the camera fixed enough to compare normal and abnormal scenes?
- Is the target liquid area large enough in the frame?
- Are glare, rain, fog, shadows, night visibility, lens dirt, and reflections manageable?
- Can normal, abnormal, and borderline clips be reviewed after NDA when needed?
- What human action follows a detection candidate: review, patrol, notification, or record creation?

Start with one asset, one visible anomaly, and one operational decision.

How to use the checklist

1. Start without footage

The first discussion can happen without plant footage or drawings. Clarify the target facility, camera availability, visible anomaly, and operational decision first.

2. Validate footage after NDA

When appropriate, review short normal, abnormal, and borderline clips after NDA. The goal is to confirm whether visual cues are usable, not to promise universal detection.

3. Keep sensors and operator judgment in scope

ABYSS complements sensors and SCADA with visual context. It does not replace official measurement, compliance decisions, or operator responsibility.

4. Define the output

- Detection candidate category
- Camera, timestamp, and evidence frame
- Notification destination
- Review or record workflow

Reference

https://itumo.app/en/resources/ai-camera-monitoring-checklist.html

https://itumo.app/en/consultation.html