

KATALOX-LIGHT® FIELD EXPERIENCE. MEASURABLE RESULTS.

Documented iron, manganese and solids treatment



CASE ONE

HA DONG • HANOI, VIETNAM

Municipal drinking-water treatment

30,000 m³/day
Plant capacity

30 filters
Katalox-Light / DynaSand

250,000 people
Population served

Commissioned on 8 July 2018, the installation combines upflow filtration with continuous media washing. The published case reports the following inlet and outlet results.

IRON
Inlet: >3 mg/L
Outlet: 0.03–0.15 mg/L

TURBIDITY
Inlet: 3.35–7.29 NTU
Outlet: 0.13–0.21 NTU

Municipal-scale iron treatment and retention of precipitated solids.

CASE TWO

PACHUCA • HIDALGO, MEXICO

San Juan mine-water well

99.74% MANGANESE REMOVAL
Reported sampling result • 26 August 2014

Manganese inlet: 3.88 mg/L
Manganese outlet: 0.01 mg/L

Katalox-Light operated with OXYDES dosing and pH adjustment. At this sampled operating point: pH 8.0, flow 1.5 L/s and empty-bed contact time 4.72 minutes*.

Two subsequent samples reported 99.53% and 99.54% manganese removal on 1 and 3 September 2014.



THE OPERATIONAL FOUNDATION

These cases document metal treatment and solids separation under stated operating conditions. Those functions provide practical context for evaluating iron-assisted PFAS capture.

EVIDENCE SCOPE

These manufacturer-published field reports measure metals and turbidity; they do not report PFAS measurements. PFAS performance is established with product-specific inlet/outlet data.

Sources: Watch Water, Hanoi municipal case study; Katalox-Light manganese-removal case study, Pachuca (2014).