

Fabrice Balmer

Engineer in Environmental Engineering



Profile

49 years old
Seniority : 4 years, associate
English



Pollution
Water treatment
Water chemistry
Sludge treatment
Air / odor treatment
Waste
Hydraulics - Pumping
Methanization - Biogas
Regulation

Education

Higher School of Engineering of Chambéry

Environmental Engineering – France

Master's degree in Process Engineering

Aix-Marseille University – France

DUT Physical Measurements – Materials

IUT d'Orsay – France

Professional background

VINCI Construction Grands Projets

International Hydraulics
Engineering and Process Director
President of the Technical Commission of the SYNTEAU

VINCI Environment

Water Treatment Division
Design and commissioning manager
and Engineering Director

VINCI Construction France

Design and process engineer
Engineer in the technical department

Proserpol (CMI group)

Design and process engineer

Fabrice Balmer

Engineer in Environmental Engineering

Key areas of expertise

Pollution

- Accidental, gradual and historical pollution
- Soil, water and groundwater pollution by hydrocarbons, solvents, heavy metals
- River, lake and pond pollution with fish mortality, assessment of damage to fish production
- Transformer leaks and explosions with PCB spillage
- Pollution from tank, conduit and pipeline puncture in oil storage depots or petrol stations
- Overturned trucks with spillage of fuel or chemicals
- Pollution linked to waste disposal operation unit
- Pollution from waste water treatment plants
- Historic pollution linked to former industrial activities
- Pollution through piercing of storage basin membrane
- Air pollution by various particles
- Litigation stemming from regulations governing management of polluted sites and soil
- Water pollution

Hydraulic pumping

- Pumping station design
- Design of hydraulic networks / piping
- Design of equipments

Waste

- Waterproofness problem of storage waste
- Pollution related to incineration or waste treatment
- Leachate leaks
- Optimization of costs for the management of polluted land and materials
- Contamination of waste treatment facilities

Water treatment - mud - odors

- Problems in water treatment plants and drinking water treatment plants
- Concrete degradation by H₂S attack
- Dysfunction of the water process (drinking water, municipal wastewater, industrial water, process water)
- Dysfunction of the deodorization process (chemical biological...)
- Dysfunction of the sludge process (digestion, dewatering, storage, oxidation, drying beds, thermal drying, biogas ...)
- Non-achievement of performance and guarantees
- Error of design
- Electromechanical equipment