

# Hervé Durand

Hydrogeological Engineer



## Profile

70 years old  
Seniority : 22 years,  
associate  
English

### Environmental protection

Waste – Pollution

Asbestos

Drilling/capture of water  
resources

Soil mechanics

Industrial risk analysis

Underground works

## Education

### Geological Engineering Degree

University of Montreal

### Master's Degree in Geology

Paris VI University

## Professional background

### Cabinet GBA

#### Experts for Insurance companies

Civil liability expert – Environmental Department Manager

### GRS Valtech

#### Pollution Remediation

Pollution remediation manager

### Burgeap

#### Engineering in hydrogeology and environment

Industry Department Director

### CEBTP

Research Engineer

### Géoconsult

#### Geophysics in civil engineering mining research and water resources

Geophysicist project manager

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## Key areas of expertise

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### Environment – Pollution

- Soil, water and groundwater pollution by hydrocarbons, solvents, heavy metals
- Rivers, lakes and ponds pollution with wildlife impact, damage to fish stocks assessment
- Transformer leaks and explosions with PCB spillage
- Pollution from tanks, ducts and pipelines puncture in oil storage depots or petroleum stations
- Overturned trucks with fuel or chemicals spillage
- Pollution linked to waste disposal centre operations
- Pollution from waste water treatment plants
- Legacy pollution linked to former industrial activities
- Pollution through storage basin membrane puncture
- Litigation stemming from regulations governing management of polluted sites and soils
- Impairment of drinking water supply and capture (pollutants, legionella, etc.)
- Damage through gaseous discharge
- Litigation stemming from asbestos diagnostics
- Demolition of buildings containing undiagnosed asbestos

### Capture – Drilling

- Poor execution or malfunctions of water wells
- Subsidence due to water wells
- Faulty assessment of water resources

### Géotechnical Sciences – Foundations – Civil Engineering

- Seepage into underground structures, sinkhole phenomena on former quarries in gypsum dissolution zones
- Bank sliding
- Embankment instability
- Buckling of slabs on backfills

### Industrial Processes

- Coke ovens design flaws
- Design flaws in paint coating units for cast-iron pipes

### Plumbing – Corrosion

- Corrosion of sanitary hot water and heating systems.
- Shower trays corrosion on ships
- Corrosion in fuel storage tanks