



CASE STUDY

FORMER TEXACO GAS STATION

PANAMA CITY BEACH, FL

SITE OVERVIEW

- Former gas station on Panama City Beach
- 23,000 sq. ft. contamination plume under State Highway 98 and large motel

CONTAMINATION

- Gasoline contamination in soil and groundwater

HISTORY

- Contamination discovered during site closure January 2001
- No remedial activity prior to BioBlend cleanup

SITE CONDITIONS

- Mostly sandy soils with some silty and organic layers
- Groundwater starts at 5- to 10-foot bls based on location
- Groundwater contamination from 5- to 25-ft
- Plume under major highway and motel complication treatment.
- Plume was moving toward beach behind the motel.

REMEDIATION ACTIVITIES

- Seventeen (17) injection wells and five (5) recovery wells were installed.
- Two mobile Clenzsoil Injection Systems were used to treat the recovered groundwater and then reinject the groundwater with a chemical blend.
- Three fourteen-day injection events were performed with 10 days of air injection performed after each injection event.
- Non-disruptive to business activities, wells hidden under planters.

RESULTS

Date	Benzene	Toluene	Ethyl Benzene	Xylene
MW-1				
9/24/08	<D.L.	21.1	<D.L.	230
1/8/09	<D.L.	<D.L.	<D.L.	1.5
MW-3				
9/24/08	<D.L.	12.1	<D.L.	140
1/8/09	<D.L.	5	<D.L.	62.8
MW-15				
9/24/08	<D.L.	380	1440	2720
1/8/09	<D.L.	<D.L.	<D.L.	<D.L.



