

Case History: Solvent & Fuel Purification in Groundwater Since 1998

Challenge

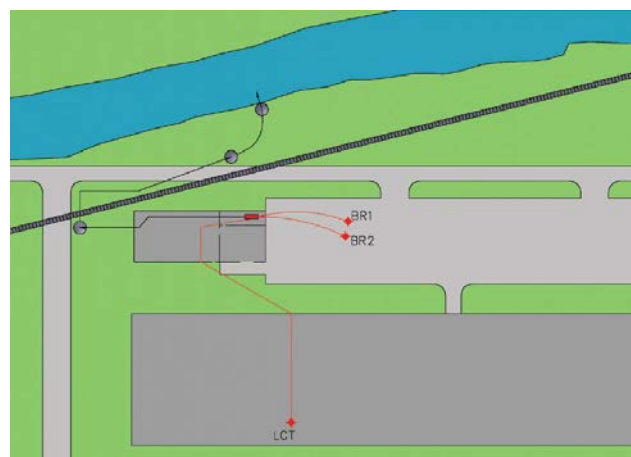
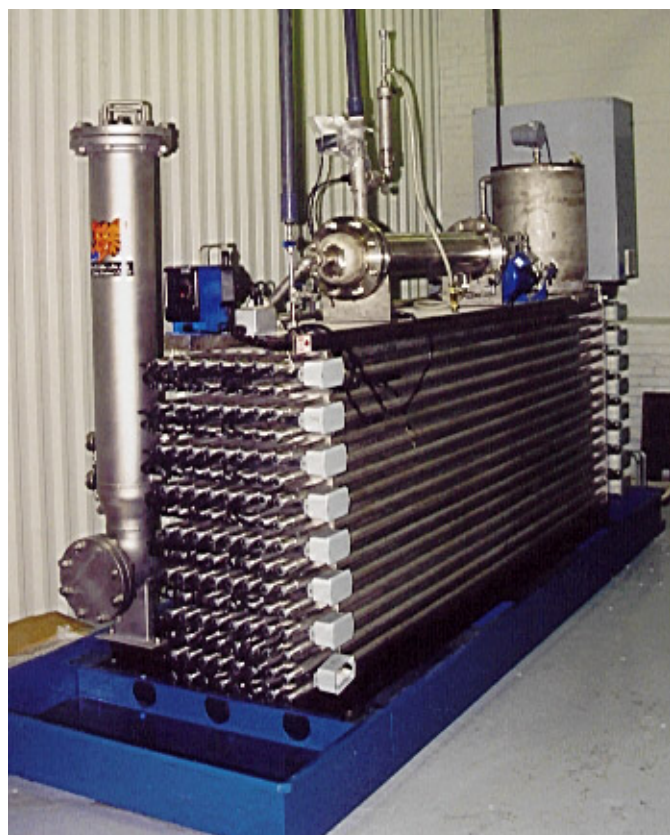
Contaminated Groundwater

- Two Failed Underground Furnace Oil Tanks
- Punctured Aquifer
- Chlorinated Solvents, Oil & Grease
- Gasoline from Adjacent Property

Solution

- C of A #4-0140-96-987
- Treat 30,000 gal/day
- Surface Water Discharge to Thames River
- Centralized System
- Fuel Recovery
- VFD/PID Pump Control on 3 Wells
- Compliance Data Logging
- Duty 24/7; >100,000 hours

	Well 1 (ppb)	Well 2 (ppb)	Well 3 (ppb)	Effluent (ppb)
Flow Ratio	30	45	0.1	L/min
TCE	3,800	640	<86	<0.9
1,1-DCA	ND	ND	1,200	<0.2
1,1,1-TCA	<170	ND	2,500	<0.9
Cis-1,2-DCE	5.5	87	<86	<0.9
Vinyl Chloride	ND	7.8	ND	<0.5
NAPL	✓	✓	✓	ND



Benefits

Reduced Life Cycle Cost

	Photo-Cat	Carbon	\$ Saved
Capital	\$194,272	\$96,797	\$(97,475)
Annual O&M	\$18,222	\$44,226	\$26,044
Remote Monitoring	Included	Extra	
Performance Guarantee	Included	Extra	

- 40% O&M Cost Reduction
- 3.75 Year ROI with Upgrades
- Reduced System Complexity
- Original Ceramic Membranes
- Photo-Cat with ISR – Inline Solvent Recovery



340 Sovereign Road, London, ON, Canada, N6M 1A8
 Ph: 519.473.5788, info@Purifics.com, www.Purifics.com