



SoFlacs



SEMINAR

Dr. Thomas M. Spittler

EPA (retired)

Contamination of an Aquifer by Hazardous Waste -- A Case Study

Thursday, March 15

7:00 pm

**Nova Southeastern University,
Health Professions Division
Assembly Building I, Terry Auditorium
HPD 2101**

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Speaker Dr. Thomas M. Spittler

Title Contamination of an Aquifer by Hazardous Waste -- A Case Study

Abstract In 1978, a small New England town sank two new wells in a large aquifer. Subsequent testing to meet safe drinking water standards revealed contamination by benzene and vinylidene chloride. A nearby plastics manufacturer was required by the town to conduct a hydrogeological study of the aquifer as a condition for town approval to expand their facility. The study, which incorporated the best state of the art sampling and analytical methodology, revealed the source of the contamination. This study is described in detail, and subsequent efforts to restore the aquifer are tracked to the present time. This case history is typical of groundwater contamination throughout the country and shows how current technology can assess the damage, trace the source, and, in many instances, initiate remedial actions to affect long-term cleanup and aquifer restoration.

Audience Chemists, Students, General (nontechnical)

Level

Categories Analytical Chemistry Environmental Chemistry General Public

Directions to the campus.

Take I-95 to Ft Lauderdale.

Pick up I595 west.

Exit I595 at University Drive. This is the second exit after the turnpike.

Turn left on to southbound University Drive.

After the underpass, there will be a series of 5 traffic lights. Make sure you are in the left most lane as you will want to make a left hand turn onto the campus at the fifth light. As a landmark, at the fourth traffic light there is a Walgreens on the SW corner and the NSU Clinic on the SE corner. Turn left at the next light.

On the access road you will have a retention pond on your right and the HPD building on your left. The HPD building has a large granite entrance. Park in either the surface lot or the parking Garage. Parking is free after 5 pm.

Campus Map

<http://www.soflacs.org/nsumap.pdf>

Building map

Reserved Parking

