

# CONSERVATION COMMISSION

Town of GREENFIELD, MASSACHUSETTS  
114 Main Street, Greenfield MA 01301

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**GREENFIELD CONSERVATION COMMISSION**  
**Minutes of October 25, 2011**  
**7:00 p.m. Greenfield Planning Department**  
**114 Main Street**

The meeting was called to order by Vice-chair, Timothy Mosher at 7:00 p.m. with the following members:

**PRESENT:** Timothy Mosher, Vice-chair  
Tom DeHoyos (arrived at 7:05 p.m.)  
Dee Letourneau  
Steve Walk  
**ABSENT:** Alex Haro  
**ALSO PRESENT:** Laura DiNardo, Conservation Agent and members of the Public.

Approval of Minutes: Approval of Meeting Minutes from October 11, 2011.

**MOTION:** Moved by Letourneau, seconded by Walk, and voted 3-0, to table approval of minutes until next meeting.

Walk was absent for the October 11, 2011 meeting and DeHoyos was not present at time of motion.

Public Meetings/Hearings:

7:00 p.m. Irving Oil Corporation – Public Hearing to review a Request for Determination of Applicability for property located at 223 Mohawk Trail (Map 44, Lot 7), for the second injection of a chemical oxidation program being implemented to remediate the site within the 200-foot River Front Area to Wheeler Brook.

Todd Piskovitz, GeoInsight Inc., introduced himself as the Irving Oil Corporation representative.

Piskovitz presented site plans to the Commission and briefly explained the first injection, which was approved by the Commission in 2010. The chemical to be injection is sodium persulfate.

The project started in 2005 when a heating oil tank was excavated from site. No. 2 Heating oil was released and soil became contaminated. Piskovitz mentioned the predicted flow of the released contamination and the groundwater flow.

Piskovitz explained the first injection in more detail and why they are proposing a second injection. Groundwater was tested every three (3) months after initial injection. After the injection, the groundwater contamination levels spiked. GeoInsight's prediction is that the contamination was trapped in the soil. After the injection, contaminants were released from soil and left in groundwater causing the drastic increase in groundwater contamination levels. They hope that the second injection will release the contamination from the groundwater much like it released the contamination from the soil during first injection.

Mosher asked how much chemical was injected in the first trial

Piskovitz verified 1200 gallons in four (4) points, 300 gallons per point for first injection; 2000 gallons in five (5) points, 400 gallons per point for second injection.

Walk asked what the soil type was on site, what the possible byproduct of the chemical would be, and

what the injection does; does it track where the chemical is going.

Piskovitz verified that the soil is sandy and fairly permeable. The byproduct is sulfur. The chemical injection increases oxygen and aerobic activity.

Mosher expressed concern about whether they were extracting anything or just injecting. Piskovitz verified that they only inject the chemical; extraction would depress the water table.

Walk asked if the work area was paved. Piskovitz verified that the area is mostly permeable.

Walk asked if this was the last injection. Piskovitz is hopeful that this will be the final injection.

DeHoyos asked when they are looking to start this portion of the remediation. Piskovitz verified mid-November, when appeal period is over.

Mosher asked if they have seen success with these injections in the past per MA standards. Piskovitz did not have any data with him but stated that it had shown success in the past. He briefly explained what the MA standards are and how they are determined.

Mosher expressed concern about the contamination levels; they are higher now than they were prior to first injection. Piskovitz stated that this is because the contamination was desorbed.

DeHoyos asked if they found any other chemical contaminations. Piskovitz stated that they were not testing for any other chemical.

Letourneau inquired about the direction of the flow of contamination and why proposed points were chosen. Letourneau asked what the usual or the maximum number of injections typically is. Piskovitz stated no more than three (3) injections. This method has proven to be very successful, although there are cases where it has been unsuccessful. Depends greatly on the soil type, this site has ideal soils.

Mosher asked when the first injection was. Piskovitz stated in August 2010.

Letourneau asked if they discussed any alternative methods. Piskovitz stated that they looked into excavation and had an engineer explore that possibility. Contamination is present under the existing building making excavation very difficult and expensive on this site.

The Commission requested review of the Determination issued to Irving Oil for the first injection in 2010. DiNardo presented that to the Commission.

Mosher asked what they plan to do if contamination continues to rise after second injection. Piskovitz stated they planned to research other remedial methods and possible solutions.

Mosher asked if the soil was also tested, could they test both the groundwater and soil for contamination. Piskovitz stated they tested the soil prior to first injection and will test again prior to second injection.

**MOTION:** Moved by Letourneau, seconded by Walk, and voted 4:0 to issue a Negative Determination that the work described in the Request is within an area subject to protection under the Act, but will not remove, fill, dredge, or alter that area. Therefore, said work does not require the filing of a Notice of Intent and is subject to the following conditions:

1. Standard Boiler Plate Conditions Apply.
2. Applicant shall submit a report to the Commission prior to the second injection with the results from soil test.

Other Business:

DiNardo Presented and explained the ground penetrating radar (GPR) results submitted for the 11-17 Meridian Street Notice of Intent for remedial work (swarf disposal). Order of Conditions was issued in September 2011.

The GPR resulted in the applicant expanding one (1) out of the two (2) excavation pits by two (2) feet to the north.

**MOTION: Moved by DeHoyos, seconded by Walk, and voted 4:0 to accept the changes to the project without further review or filing. Applicant does not need to attend the next Conservation Commission meeting.**

Correspondence:

DiNardo notified the Commission that the letter was sent to the property owners of 145 Gill Road (former Mackin site) regarding Japanese Knotweed control, which was voted on at last meeting, October 11, 2011. Property owner has received the letter but has not contacted the Commission at this time.

DiNardo notified the Commission that a letter was sent to 64 East Cleveland Street regarding fence construction and possible dumping in wetland area.

DiNardo notified the Commission that a letter was sent to 10 Princeton Terrace regarding the possible dumping of yard waste into wetland area.

Walk asked whether an Emergency Certification was issued to the DPW for the sewer line work in the Green River.

DiNardo stated that the Department of Environmental Protection issued the Emergency Certification on Tuesday, October 25, 2011

Mosher expressed concern about when the pictures, submitted by the DPW of the Green River sewer line emergency project, were taken

DeHoyos asked what was being done about the tree planting at the rotary from the camera (ITS) project.

DiNardo stated that she was working with Haro to find information about the project in our files.

Walk expressed concern about the McDonald's project and their erosion control.

The Commission verified that the applicant had erosion controls set up in the catch basins. DiNardo verified that she went on a site visit to check the four (4) catch basins prior to construction.

Monitoring:

Enforcement Updates:

The Commission discussed the mulch pile located on Mr. Kalinowski's property along the Green River. DiNardo sent a picture to the Commission of the pile smoking. Alex continues to work with the Department of Environmental Protection.

Site Visits: None

Next Meeting: Tuesday, November 8, 2011 @ 7 PM, 114 Main Street, Planning Department Meeting Room.

Adjournment:

**MOTION:** Moved by DeHoyos, seconded by Walk, and voted 4-0 to adjourn the meeting at 7:45 p.m.

Respectfully Submitted,

Laura DiNardo  
Conservation Agent

Alex Haro  
Chair