

# -WATER WORKS -

HANOVER, ONTARIO, MONDAY, SEPTEMBER 30<sup>TH</sup>, 2013

**WaterWORKS** is a day-long interactive program that exposes students to the various stages of the urban water cycle from source to tap and back again. Drinking water treatment, water use, waste water treatment, source water protection and careers in water are among the themes for the day.

## Program Facilitators

- Host School: John Diefenbaker Secondary School, Hanover
- Host Teacher: Kevin Chittick and Kathleen Beattie, JDSS
- Program Facilitators
  - Bruce Davidson, Concerned Walkerton Citizens
  - Jo-Anne Harbinson; Nancy Griffin, Saugeen Conservation
  - Sarah Pritchard, University Graduate Wilfred Laurier
  - Hanover Public Works
    - Water Pollution Control Plant – John Fruin, Operator (II)
    - Drinking Water Treatment Plant – Wayne Sickle



## Program Summary

9:00 -9:30 AM	Plenary Session at JDSS
9:30 – 10:00	Hike to Water Pollution Control Plant
10:00 – 11:30	Tour of Water Pollution Control Plant
11:30 – 11:40	Walk to Park
11:40 – 12:30 PM	Lunch and River Program
12:30 - 12:50	Bus to Walkerton Clean Water Centre (WCWC)
12:50 – 1:35	WCWC Program
1:35 – 1:45	Bus to Hanover Water Treatment Centre (WTC)
1:45 – 2:45	WTC Program
2:45 – 2:55	W rap-Up
2:55 – 3:05	Bus Back to School



## Program Details

### 9:00 – 9:30 AM Plenary Session at JDSS

- Introduction to day – who we are and why interested in the day (Bruce)
- Watershed overview; Hydraulics (water cycle); Source Water Protection ((Jo-Anne/Nancy)

### 9:30 – 10:00 AM Hike to Water Pollution Control Plant (Divide into 2 Groups)

- Walk built system (street) to trail to Water Pollution Control Plant
- Facilitated discussion along way with Clip Boards and Q and A page

**10:00 – 11:15 AM Water Pollution Control Plant** (Divide into 3 Groups; rotate every 25 minutes)

- a) Tour A (see schematic)
- b) Tour B
- c) Explanation of the big picture – experiments with water & chemicals (Jo-Anne/Nancy)

**11:30 – 11:40 Walk to Park**

**11:40 – 12:30 Hanover Town Park**

**(Divide into 2 Groups; rotate after 25 minutes)**

- a) benthic demonstration & critter ID; chemical analysis (D.O., pH, Alkalinity)
- b) lunch

**12:40 – 12:50 Bus to Walkerton Clean Water Centre**

**12:50 – 1:35 Walkerton Clean Water Centre and Skills Opportunity Showcase Trailer Tour**

Full group presentation 10 Min/30 minutes tour/activities); Divide into two groups

- a) Facility Tour (2 x concurrent 15 minute tours)
- b) Activities (7 min) (body mapping; yellow fish; flood warning) and SOS Trailer (7 min)



**1:35 – 1:45 Bus to Hanover Water Treatment Centre**

**1:45 – 2:45 Hanover Water Treatment Centre**  
(20 minute rotation)

Divide into three groups

- a) Tour A
- b) Tour B
- c) Source Water Protection & rain-barrel activity



**2:45 – 2:55 Concluding Plenary**

**2:55 – 3:05 Return Bus Back to School**

Special thanks to our sponsors: The Walkerton Clean Water Centre, Town of Hanover and

