

Appendix A: Water Contamination In Crookstown Background Context

Working Collaboratively — Solving an Environmental Problem

The residents of Crookstown are in an uproar. In this picturesque tourist town of approximately 25 000 residents there have been reports of water quality problems. In fact, most residents believe that there is a serious water contamination problem in their town. In addition to the town's drinking water, the local river and lake are believed to be heavily polluted. There have been reports of strange smells and deformed fish coming from Lake Crookstown. Most parents will not let their children swim in the lake for fear of ear, eye and skin infections.

The Skoot River flows into Crookstown Lake from the north and both the river and northern portions of Crookstown Lake have seen an increased amount of development on their shores over the last ten years. A thriving agricultural area also exists to the north along the shores of the Skoot River. Lake Crookstown is rife with development. Within the town limits, a new condominium development has begun along Lake Crookstown that borders the Creek Golf Course. Across the river is the Chocolate Excellence factory that produces world-renowned chocolates. The primary sewage treatment plant as well as the water filtration plant are also located downstream from the chocolate factory. Crookstown is a thriving community that continues to expand as its popularity as a tourist destination and cottage community increases. A water quality scandal could halt development and threaten the future of Crookstown.

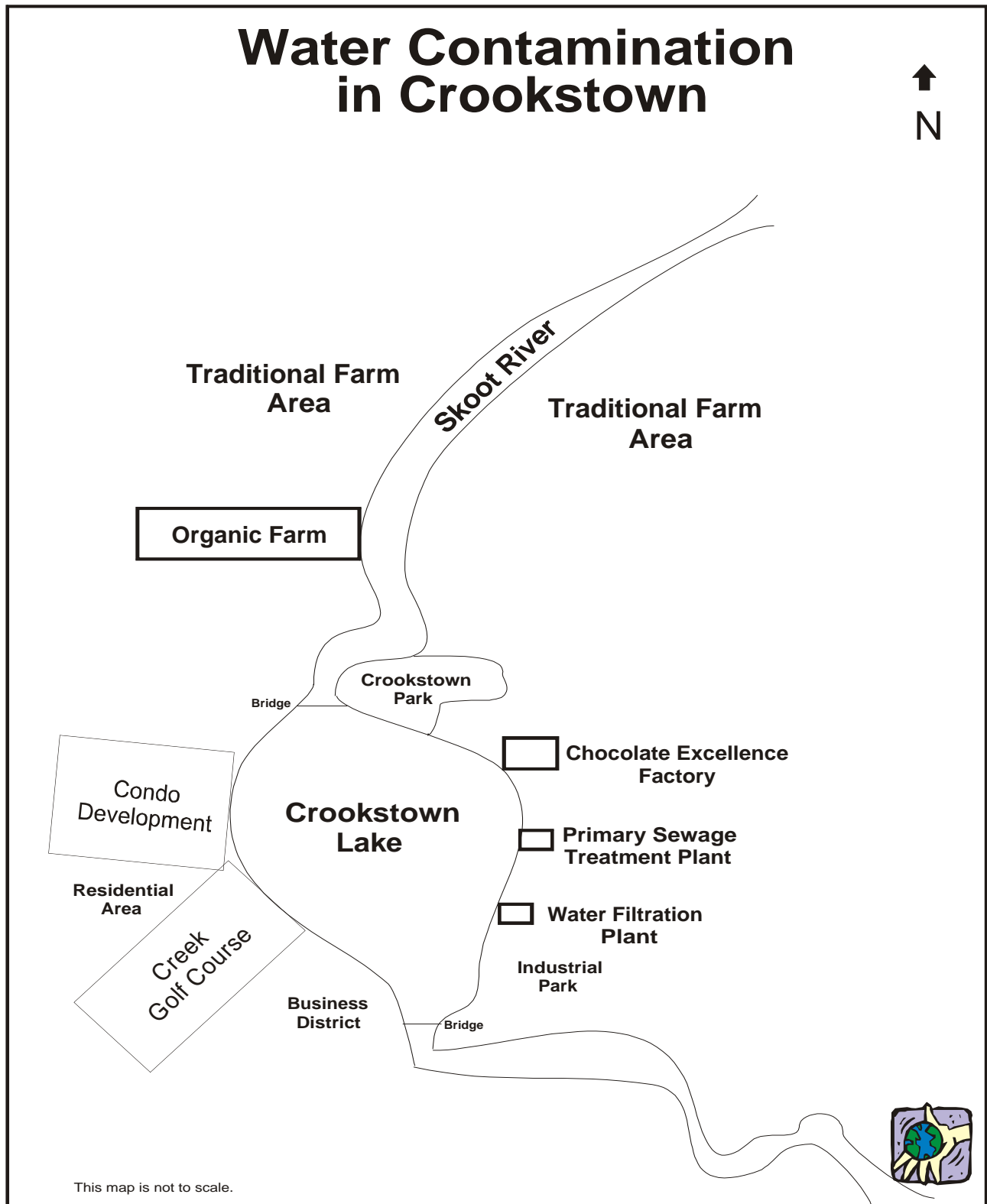
The local newspaper, the *Crookstown Times*, has been publishing a series of articles that have exposed the water contamination problem and demanded answers. The editorials charge that town officials knew about the problem and have done relatively little in the past few years to remedy the situation. Not only are government officials blamed as doing little to help, almost all possible polluters have had fingers pointed at them through the editorials — the Chocolate Excellence factory, the new condo development, the farms that lie north of town, the golf course and even the municipal water filtration and sewage treatment plants. No one has been left out in the naming of possible contamination suspects.

Things are beginning to get tense in Crookstown. At local stores, schools and recreation areas people are pointing fingers and laying blame on whoever is handy. Sometimes it's the golf course other times it is the sewage treatment plant — things are starting to get nasty. There is even talk of a protest at City Hall to demand action on the water issue. Some residents are even considering a law suit to get compensation for illnesses suffered because of water contamination. The local officials are on the hot seat.

The Ministry of the Environment got wind of this problem and have sent a representative as well as an impartial provincial court judge to preside over a town hall meeting that hopefully will get to the bottom of this problem. The tension within the town is growing thicker by the minute — with both a provincial election in the fall and a municipal one next spring — officials cannot afford to not address this issue. The town must come up with a plan to combat this problem — their community is at stake.



Appendix B: Map of Crookstown



Work Collaboratively – Solving an Environmental Problem

Provincial Court Judge

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You have been hired by the provincial government to preside over a series of hearings (in the form of town hall meetings) concerning the water tests that were conducted in Crookstown. You were hired for your known impartiality and neutrality on the issue. You are three months away from your retirement and want to leave your mark on provincial law. You have a keen interest in this case.

Your Role...

- ★ to preside over the town hall meetings
- ★ to provide the government and town of Crookstown with a series of recommendations
- ★ to keep the town hall meetings informative, on-topic and civil
- ★ to keep people from speaking out of turn



Chocolate Excellence CEO

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Last year, you were hired as the CEO of Chocolate Excellence, a job that you have been dreaming about for years. Now that you have your coveted job, you were hoping to sit quietly, rake in the big bucks, and try not to make any ripples. However, you have been under intense scrutiny because of the alleged water quality problems in Crookstown, that some have blamed on Chocolate Excellence (a chocolate factory) and its recent expansion. As CEO of Chocolate Excellence your job is to protect the interests of Chocolate Excellence, its employees and shareholders. Your bottom line is that Chocolate Excellence and its recent expansion are not to blame (water quality issues have been around for a long time) and that people should look to the farmers and the recent condo development if they want answers. Despite your career ambitions, you still remain genuinely concerned about the water quality issues in Crookstown. Your third wife just gave birth to your first son and you are worried that your child will be drinking and bathing in contaminated water (you did purchase one of the condos in the new development). It is best to pin the blame of the water contamination problem on someone else.

Your Role...

- ★ represent Chocolate Excellence
- ★ deny vehemently that Chocolate Excellence is to blame for the water quality issues



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Chocolate Excellence Employee

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

After busting your butt for seven years at the Chocolate Excellence plant, you nearly got a pink slip last year when they were 'restructuring'. However, in the fall, Chocolate Excellence was able to expand and hire new employees so you should be safe from layoffs for some time. After all, they just completed a multi-million dollar expansion of the chocolate plant. With your high school diploma as your only formal education, you consider yourself lucky to have a stable job with a union to protect you. Without it, you aren't sure what you would do, with a wife and three kids at home to look after. You think the town is trying to use Chocolate Excellence as a scapegoat and are sick of hearing everyone in town whine and complain about the 'pollution' and 'toxins' coming from Chocolate Excellence. We make chocolate bars here not chemicals. You don't know what the big deal is all about. You're willing to do or say anything as long as your job at Chocolate Excellence is secure. After all, without this job, you would have to leave Crookstown and head for the big city, something that you'll do over your dead body.

Your Role...

- ★ to provide support for Chocolate Excellence
- ★ protect your job at all costs



Crookstown Mayor

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

After enjoying a relatively 'calm' term in office (that little affair only added some negative publicity with the people at the country club), you are praying that this water contamination thing will just blow over. You are also hoping that this little 'town hall meeting' will vindicate any municipally owned organizations of any wrong doing and give the people of Crookstown a chance to have their voices heard so that they can move on. Can you imagine the uproar if the municipality actually was contaminating its own water? You'd be run out of office so quick, and with an election coming you're not taking any chances – you need to get to the bottom of the problem, get it solved and then get people to forget about it. With cutbacks to the water treatment and primary sewage plants, however, you are unsure of whether the town is actually poisoning itself. What are you going to do? I guess it's better 'not to recall' anything.

Your Role...

- ★ state that you will 'get to the bottom' of the problem
- ★ deny that the city has anything to do with the problem and remember to talk around the issue without actually saying anything
- ★ when under pressure you simply reply 'you have no recollection of that'



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Organic Farmer

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your farm is located outside the actual town of Crookstown along the Skoot river. Ten years ago, you adopted organic farming methods utilizing integrated pest management strategies with natural fertilizers to help your crops grow. All of your livestock is free range and you are contemplating getting some speciality crops going. You are extremely worried about the water contamination problem. If the water is contaminated, then your so-called organic crops will no longer be organic. You stand to lose a lot of business if this leaks to the press outside of Crookstown. Your farm is family owned and operated resisting the pressure of other farms around you that have been sold and now operate as factory farms. You want to be able to pass your farm down to your children and in turn to their children. Your number one priority is to find out what the problem is and help find a solution to the problem. Your livelihood depends on it.

Your Role...

- ★ to be extremely cooperative in attempting to come up with a solution
- ★ to reassure the residents of Crookstown that your farm is not causing the contamination
- ★ to offer information on organic farming and how it prevents water contamination.
- ★ concerned about water contamination and how it will affect your farm and your bottom line



Farmer

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You are the operator of a 'factory farm' located on the outskirts of Crookstown on the Skoot River. You house livestock of several types, including cattle and hogs. You are one of the suppliers of cattle and hogs to a major national grocery store chain. Without assistance from pesticides, fertilizers, and feed that has been grown with genetically modified seeds, your farm would go belly-up. You made the switch from a relatively 'organic' approach to farming five years ago to the environmentally intensive approach of 'factory farming' and your profits seem to be going up (a bit). Deep-down, you are concerned that your farm has something to do with the water contamination problems even though you take many precautions to avoid such a situation. You will feel that you have let your community down if it turns out that your farm is causing the water contamination problem.

Your Role...

- ★ are willing to help but don't offer any information unless explicitly asked or accused
- ★ concerned about water contamination and how it will affect your farm and your bottom line



Work Collaboratively – Solving an Environmental Problem

Ministry of the Environment Representative

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You highly value your job with the Ministry of the Environment and love helping to solve environmental problems. Since the Walkerton Inquiry, your job has become significantly more difficult with more and more water quality issues to deal with. Lucky for you, you have been able to hire more help. You also wish to avoid another Walkerton, so at the slightest indication that there is a water quality issue you like to investigate yourself. You have eight years of experience with the MOE and you are there to make sure that environmental protection laws are not being broken. Your interest in the case is purely professional. You also believe that there may be more than a point source polluter at work here. It is your job to pledge government (provincial) money and support to get to the bottom of the problem as well as to caution citizens and business owners alike that if environmental laws are being broken, there will be consequences (after all, the Premier of Ontario has a cottage in the Crookstown area and has told you personally to get to the bottom of this problem).

Your Role...

- ★ to represent the MOE
- ★ to help with money and support
- ★ to provide expertise in water contamination problems and solutions



Member of Provincial Parliament

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

As a politician that represents Crookstown (and area) at the provincial government, you are extremely concerned with the water quality issues. After all, there is an election coming up in the fall and you need to ensure that a second term is in your future. As soon as you caught wind of this, you brought it up to other government officials and was able to squeeze out money for a provincial court judge and a representative from the MOE to come and help get to the bottom of the issue. Besides having your own political agenda, you also have a personal agenda. As an avid fisherperson, and owner of a cottage on Lake Crookstown, you are extremely concerned with the higher incidence of deformed fish that you have caught in the last five years. You also wonder why you and your wife are unable to children. You think that it may be all of that fish that you both eat from Lake Crookstown. You want to get to the bottom of this issue as quick and painlessly as possible without losing any voter support.

Your Role...

- ★ to represent the citizens of Crookstown
- ★ to rally provincial support for this water quality issue



Work Collaboratively – Solving an Environmental Problem

Editor of the Crookstown Times

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You love a good scoop, so when you caught wind of this rumour you couldn't wait to substantiate your sources claim. According to your sources, the water in both Lake Crookstown and Skoot River are both contaminated — but no one is sure where the source of the problem is. You have been writing a series of first breaking the news of the problem, then demanding answers. Getting residents riled up about an issue is your specialty – you may even be recognized for your coverage of such an important issue. You thrive on scandal and are at the hearing to 'stir the pot' and get people to self-incriminate in order to see who the culprit or culprits are. It's your job to cover the story objectively and ask questions of the stakeholder to ensure that the root of the problem is exposed. This will definitely keep newspapers selling. Who says print is dead?

Your Role...

- ★ to report to the citizens of Crookstown reports of the proceedings
- ★ to ask questions of stakeholders and persons that may be responsible



Opposition Member of Provincial Parliament

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You can smell a scandal a mile away and this promises to be a real killer. With the fall election already on your mind, you are ready to pounce. Why wasn't the public informed earlier of water quality problems? Why did they have to read about this in editorials in the town newspaper? So many questions, so few answers. And what is the provincial government doing about this? Probably nothing. They've been sitting on their hands for a long time on this issue and it's time to let the cat out of the bag. With your political aspirations in town, you are ready and willing to do anything to get to the bottom of the issue and are willing to blame anyone for the problem. All you want is to come out on top by the end of the town hall meeting and look good for the fall election. After all, you have a private well for your home that is outside of Crookstown on the Skoot River. What have you got to worry about?

Your Role...

- ★ to contradict anything the current member of provincial parliament is saying
- ★ to get to the bottom of the issue as quickly as possible without having to do anything



Work Collaboratively – Solving an Environmental Problem

Cottagers Association Chairperson

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You bought a cottage (OK – a summer home) on Lake Crookstown ten years ago in the hopes of retiring here. As the Cottagers Association Chairperson, you feel you have a lot to lose because of the water contamination problems. You have noticed that something hasn't been right for the last few years around the lake but haven't been able to pin down exactly what is wrong with it – fewer birds returning, deformed fish, a strange smell at certain times of the year. You (and other cottage owners) paid a lot of money for your cottage and feel the need to protect your investment. Two years ago, you filed a complaint with the municipality concerning water quality but you did not hear back from them. Obviously these Mickey Mouse, small-town political leaders can't get to the bottom of the issue on their own, so you are going to have to do it for them.

Your Role...

- ★ to get the issue solved
- ★ represent cottage owners
- ★ to 'harass' small town government officials so that they will finally do something



The Creek Golf Course Owner

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

To be the owner of a golf course was always your dream, so when you made your first million, you bought yourself one — not too far away from the big city but far enough away to be attractive to tourists as a 'getaway'. With your exclusive golf course, you attract many wealthy people to the area to golf and to enjoy the other benefits that your course has to offer. In order to keep in pristine condition (it is classified as one of the best courses in Canada) you regularly spray pesticides to control the weeds (those darn dandelions) and had to 'reconstruct' over a wetland area to build that new driving range that is so popular. However, you have had some financial troubles lately, with those tow young golf course attendants suing you because their little brats supposedly got cancer from the exposure to the pesticides you use — good thing you paid them off and it didn't hit the press. Your beloved dog died after he was running around the course after a pesticide application. That hurt, but the bottom line is that money talks. You believe that it isn't possible for something that you are doing at your golf course could possibly be contributing to the water quality problem. You deny any wrong doing.

Your Role...

- ★ deny that there could be any link of water contamination from your golf course
- ★ solve the problem fast so you don't lose any money



Work Collaboratively – Solving an Environmental Problem

Condo Developer

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

What an investment you have made! You stand to make millions if all of the condos sell. But with this supposed 'water contamination problem' you could lose millions. You may even be part of the problem. You have to act fast, that's why you are welcoming the hearing because you want to solve this problem fast and get back to selling condos (business has been slow since the editorials have been published). Some of your buyers are getting nervous — you promised them a pristine lakefront with beautiful scenery — not a smelly, contaminated mess. This cannot be happening. Let's just get this clean up fast.

Your Role...

- ★ to support any solutions to the problem (as long as it doesn't cost you too much money)
- ★ to get to the bottom of the issue (after all, you could lose a lot of money)



Hardware Store Owner

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You run an extremely successful hardware store in Crookstown. In addition to 'regular' hardware supplies, you also sell farm equipment and are a major dealership. In fact, you have won awards from Monsanto (a major agri-business company) for selling the most products in a single quarter. You are getting nervous because the farms in the area may be to blame for the contamination problems and if they go under, so will you. However, you have been looking into starting to carry some of the things farmers would have to use if they should have to alter their farming practises and adopt a more 'organic' approach — fencing, biodegradable pest control products and fertilizers. Whatever the problem is, you want to be able to act fast because you want to continue to make money, not to lose a bundle. You can probably order in any supplies that people might need to fix the water problem — you just have to know what they need.

Your Role...

- ★ to remain neutral in the water contamination talks
- ★ to propose solutions that involve purchasing products at your store



Work Collaboratively – Solving an Environmental Problem

Water Filtration Plant Employee

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

This is just great. After Walkerton, you had to seriously upgrade your education and take all of these stupid courses to help you better analyse the water to know what to do when something happens. As if you need this. The water quality, according to the tests you do, sometimes shows unhealthy levels of *E. coli* but you are quick to react and pump more chlorine into the city's water system. As for those on private wells, well, they will have to fend for themselves. You have noticed a strange smell emanating from the lake recently but wrote it off to a bunch of dead fish (but what is killing the fish). You reported it to your supervisor and she said, "Oh, don't worry." You aren't going to take the fall for anyone. You've got bills to pay, including child support for your four kids so you desperately need to keep your job. You just want the situation to blow over so you can get back to collecting your paycheck every other week and fishing on the weekends.

Your Role...

- ★ to claim that you are always following procedures properly when testing, analysing and dealing with any problems at the water filtration plant



Primary Sewage Treatment Plant Employee

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Because of the expansion of Crookstown, you have been concerned that the Primary Sewage Treatment Plant would not be able to handle the increased influx of sewage that would now be coming in. You have brought this to the attention of your supervisors but they have largely ignored your claims. With the condo development going up on the other side of Lake Crookstown there are big problems to come. You know the Primary Sewage Treatment Plant is not the source of the pollution but it may be in the future if steps aren't taken to ensure that the plant can handle the increased load. Maybe this town hall meeting is a good thing.

Your Role...

- ★ to ensure that everyone knows that it is not the sewage treatment plant that is causing the pollution
- ★ to get the municipality to address the issue of the increased demands on the sewage treatment plant



Work Collaboratively – Solving an Environmental Problem

Chamber of Commerce Chairperson

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You are representing the business interests in Crookstown. Contaminated water is not good for business and it doesn't help attract tourists to your area. Crookstown relies heavily on the money generated from tourism so you are very concerned that if this problem is not solved, the business community and thus the entire community of Crookstown will be adversely affected. You want this problem solved and solved now. You are not willing to provide any financial support at this time. You are also concerned on a personal level because you live in Crookstown and operate a small corner store in the town. Without tourism you know your store and livelihood will go under. You want to solve the problem and figure out a long term solution. You have bills to pay and kids to raise.

Your Role...

- ★ to represent businesses in the area of Crookstown
- ★ to demand a solution to the problem



Resident of Bishop

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

You have finally had it. After your youngest child came down with diarrhea (again) from drinking water out of the tap, you are about to take someone's head off. Everyone knows that there is something wrong with the water but no one is willing to take responsibility for it. Someone is going to pay or they are going to have a lawsuit on their hands. Wait until the national press gets a hold of this — after Walkerton, they are just waiting for another contaminated water scandal. Then something will be done. This problem has to be solved and solved now. Won't someone think of the children?

Your Role...

- ★ to demand a solution to the water contamination problem
- ★ to demand compensation for those affected by the water contamination



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Cottager

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Resident of Crookstown

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Work Collaboratively – Solving an Environmental Problem

Resident of Crookstown

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Resident of Crookstown

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Work Collaboratively – Solving an Environmental Problem

Golfer

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Tourist

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Work Collaboratively – Solving an Environmental Problem

Resident of Crookstown

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Golfer

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



Work Collaboratively – Solving an Environmental Problem

Local Doctor

Water Contamination in Crookstown
Working Collaboratively: Solving an Environmental Problem

Your Background...

Your Role...



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**Appendix D: Water Contamination in Crookstown
Debate Assessment Outline**

Name: _____ Date: _____

Role: _____

Criteria	Level 1	Level 2	Level 3	Level 4
Knowledge of Topic	<p>participation in debate shows limited understanding of issues and concepts related to water contamination in Crookstown</p> <p>uses a few simple ideas when supporting position (research, evidence, examples)</p>	<p>participation in debate shows some understanding of issues and concepts related to water contamination in Crookstown</p> <p>uses a some basic ideas when supporting position (research, evidence, examples)</p>	<p>participation in debate shows accurate understanding of issues and concepts related to water contamination in Crookstown</p> <p>uses ideas of some complexity when supporting position (research, evidence, examples)</p>	<p>participation in debate shows thorough understanding of issues and concepts related to water contamination in Crookstown</p> <p>uses complex ideas in unfamiliar contexts when supporting position (research, evidence, examples)</p>
Analysis	<p>presents point-of-view imprecisely and unclearly</p> <p>uses a limited range of strategies for developing arguments</p> <p>limited understanding of other people's arguments in the town hall meeting</p>	<p>presents point-of-view in a partially clear and precise way</p> <p>uses a basic range of strategies for developing arguments</p> <p>basic understanding of other people's arguments in the town hall meeting</p>	<p>presents point-of-view with clarity and precision most of the time</p> <p>uses a general range of strategies for developing arguments</p> <p>nearly complete understanding of other people's arguments in the town hall meeting</p>	<p>presents point-of-view with clarity and precision consistently</p> <p>uses a wide range of strategies for developing arguments</p> <p>complete understanding of other people's arguments in the town hall meeting</p>
Application	<p>defends position with a few simple ideas</p>	<p>defends position with a several simple ideas</p>	<p>defends position with ideas of some complexity</p>	<p>defends position with well developed and complex ideas</p>
Communication	<p>has constant major errors when speaking</p> <p>speaks with a limited awareness of audience</p>	<p>has frequent minor errors when speaking</p> <p>speaks with some awareness of audience</p>	<p>has few minor errors when speaking</p> <p>speaks with a accurate awareness of audience</p>	<p>has almost no errors when speaking</p> <p>speaks with a well developed awareness of audience</p>

Overall Comments:

Suggestions for Next Time:



Appendix E: Water Contamination in Crookstown: Reflection Paper Assignment Outline

Solving environmental problems is not an easy task. There are often many stakeholders who have different agendas -- both personal and professional -- which makes coming to a consensus on not only what is causing the problem but how to solve it, an onerous task. You have now taken part in a town hall meeting and have some experience attempting to solve the water contamination problem in Crookstown. Now is the time to reflect on how the town hall meeting took place, what you learned from this process about solving environmental problems and any questions you still may have.

Your Task...

Now that you have taken part in the town hall meeting and played a role in solving the water contamination problem in Crookstown, you need to take some time to reflect on what you have learned about the difficulties involved in solving environmental problems collaboratively when there are many people with different stakes in the issue. You will be writing a reflection paper that summarizes what you have learned throughout this process.

Your reflection paper will

- be double spaced
- have a minimum of 5 paragraphs – introduction, body, and conclusion
- have supporting details
- have a title page

Helpful Hints...

- Create a mind map to start you thinking about the water contamination problem in Crookstown and the challenges you and your classmates faced while attempting to solve the problem.
- Make a reflection paper outline to help you get started writing.
- Use your best spelling and grammar.
- Get someone to proofread you're your reflection paper – even authors get someone to edit their work.
- Read your essay aloud to make sure that it makes sense.
- Consult (look at) the rubric so that you will see how you will be marked.

Reflection Paper Assigned: _____

Reflection Paper Due Date: _____



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**Water Contamination in Crookstown:
Reflection Paper
Assessment Outline**

Criteria	Level 1	Level 2	Level 3	Level 4
Analysis and Interpretation	<p>shows limited analysis of topic – water contamination in Crookstown</p> <p>provides little evidence to support reflection with supporting details and examples</p> <p>makes limited connections to outside world</p> <p>makes illogical interpretations of concepts</p>	<p>shows some analysis of topic –water contamination in Crookstown</p> <p>provides some evidence to support reflection with supporting details and examples</p> <p>makes some connections to outside world</p> <p>makes some logical interpretations of concepts</p>	<p>shows considerable analysis of topic – water contamination in Crookstown</p> <p>provides considerable evidence to support reflection with supporting details and examples</p> <p>makes considerable connections to outside world</p> <p>makes logical interpretations of concepts</p>	<p>shows a high degree of analysis of topic – water contamination in Crookstown</p> <p>provides thorough evidence to support reflection with supporting details and examples</p> <p>makes thorough connections to outside world</p> <p>makes logical and thorough interpretations of concepts</p>
Communication	<p>information is communicated with limited effectiveness (ex. spelling and grammar errors)</p> <p>essay demonstrates limited clarity – reflection does not <i>flow</i></p>	<p>information is communicated with some effectiveness (ex. spelling and grammar errors)</p> <p>essay demonstrates some clarity – reflection <i>flows</i> in some cases</p>	<p>information is communicated with considerable effectiveness (ex. spelling and grammar errors)</p> <p>essay demonstrates considerable clarity – reflection <i>flows</i> nearly all of the time</p>	<p>information is communicated with a high degree of effectiveness (ex. spelling and grammar errors)</p> <p>essay demonstrates thorough clarity – reflection <i>flows</i> consistently</p>
Organization	<p>reflection paper shows limited organization with no clear introduction, body, and conclusion</p> <p>paragraphs and arguments are illogically organized</p>	<p>reflection paper shows some organization (clear introduction, body, and conclusion)</p> <p>paragraphs and arguments show some logical organization</p>	<p>reflection paper shows considerable organization (clear introduction, body, and conclusion)</p> <p>paragraphs and arguments are logically organized</p>	<p>reflection paper shows a high degree of organization (introduction, body, and conclusion) and includes a title</p> <p>paragraphs and arguments are thorough organized</p>

Comments:

Suggestions for Next Time: