APPENDIX A

Survey Questions: Long Interview and Short Survey Versions

COMMUNITY INVOLVEMENT IN REMEDIATION OF ABANDONED MINES

Date:
Interviewee (name, role):
Mine:

Site Background		
Ownership/operation history	• When did the mine become "abandoned" • In the past, what company(s) owned the mine	
Management practices	• During operation, were there any problems (env'l, health and safety, labour disputes)	
Contamination	• How widespread is the contamination • What are the key concerns (specific pollutants, specific env'l or health issues) • Have there been recent accidents	
Health effects and concerns	• Are there proven or suspected health effects	
Economic impacts and benefits (after closure/aban)	• Has mine closure/abandonment had any positive/negative impacts on the economy	
Estimated cost to address the issues	• What is the estimated cost to fully reclaim the site and/or address health impacts	
Liability	• Are there past/present owners who may have financial responsibility/liability for the site	
Jurisdiction	• Which government agencies have regulatory responsibilities?[1] What are the relevant laws, policies that they administer? • What are the roles of federal, provincial, municipal and First Nations governments	

	in the remediation? • Is there harmonized decision-making between the different levels of government and/or dep'ts within a level of government? If not, has it had an effect on remediation? How are disagreements resolved?	

Community Involvement Process		
General	• Has there been a formal public process to make decisions regarding site remediation? Describe. • If so, were community concerns addressed as a result	
Independent efforts to address some of the issues	• Have there been independent efforts to address the problems (e.g., remediation work, studies)	
By government	• Describe the efforts • What prompted the action • What were the challenges/successes • Was the community involved? How was involvement supported? If no involvement, why not?	
By private sector companies and their Associations (e.g., Mining Association of Canada or Chambers of Mines)	• Describe the efforts • What prompted the action • What were the challenges/successes • Was the community involved? How was involvement supported? If no involvement, why not?	
By members of the community	• Describe the efforts • What prompted the action	

	• What were the challenges/successes • Was the broader community/gov't/industry involved? How was involvement supported? If no involvement, why not?	
Collaborative efforts (e.g., committees, taskforces)	• How and why was the committee set up? • Does the committee have a mandate? What is it? Has it met its mandate? • What are the goals/objectives	
Membership	• Who is on the committee? Is the committee representative of the broader community? • How were potential committee member groups or individuals identified • How are representatives chosen by the groups they represent (e.g., appointed, elected) • Are there any groups/stakeholders excluded? Why? • Is there a way to include new stakeholders/interested parties • • What are the main issues of concern for the individual committee members • Was there resistance to community involvement? How could community involvement be improved • Is there much turnover in participation in the process? Why?	
Committee structure, funding and protocols	• What is the structure of the committee? • What are the costs associated with the committee (e.g., for meetings, studies,	

	committee (e.g., for meetings, studies, remediation work) • How is the committee and its work funded • How are (public) funds for the committee and the resultant work administered • How are decisions made (consensus, majority votes, etc.) • Is there a protocol in place to resolve conflicts? • When are meetings held (daytime, evening) • What is the time commitment for committee members • Are childcare and/or meeting expenses covered for participants (especially those who are not doing this as part of their job, e.g., community representatives) • How are the committee members assisted in understanding and working with legal and technical issues that may be outside of their expertise? • To whom is the committee-as-a-whole accountable? To whom are the individual committee members accountable? • Have there been concerns raised about accountability? • Are meetings open to the general public? If not, why not? • Are there mechanisms in place to ensure transparency (e.g., dissemination of	

	meeting minutes, studies, etc., to the broader community) • Is technical information conveyed to the public in an understandable format • Is there a feedback mechanism to allow for public input into the committee's decision-making process	

Community Involvement in Site Remediation and Related Work

General	• Have there been any conflicts related to remediation? How were the conflicts resolved?	
	• Is there general support for active community involvement in the remediation (i.e., not just representation on the committee)	
	• What were your hopes and expectations of the committee? Have these been met? If not, what have been the barriers?	
	• Has the general public been supportive/resistant to the remediation efforts (e.g., don't want remediation, don't trust the remediation methods or decision-making processes)	
Remediation efforts	• What remediation work has been carried out? • By whom? • Was there community involvement • Were resources made available for community involvement (e.g., training, investment in local remediation-related	

	businesses) • How was the work funded • What were the problems/successes of the remediation efforts • Is there more to be done? • Is there a financial commitment to carry out more work?	
Technical studies	• What studies have been carried out? • By whom? • Was there community involvement in the studies (design, implementation) • Were resources made available for community involvement • Were the studies made available for public review • How were the studies funded • What were the problems/successes • Are there more to be done? • Is there a financial commitment to carry out more studies	
Environmental monitoring	• What monitoring was/is in place at the site? • Was/is there community involvement in the monitoring? (design, implementation) • Were resources made available for community involvement (e.g., training) • Are the monitoring results available for public review • How is the monitoring program funded • Is there a financial commitment to maintain or expand the monitoring program • What are the problems/successes with the existing program	

Health and safety issues	• What is being done to deal with long-term health effects and concerns (e.g., are health studies being conducted)? • Are community health programs/education resources available related to the contamination • Are there safety issues related to the mine site?	
Economic benefits	• Have there been discussions about community economic development opportunities from the remediation? By whom? • Have any opportunities been created? If not, why not? • Was the question of potential implications for long-term liabilities for the site discussed	

Long-term Outlook		
	• What is the prognosis for future remediation efforts? What barriers exist? What commitments have been made? • Will the committee process be sustained/funded? • Will the present level of community involvement in the remediation and decision-making processes help or hinder full remediation? Why?	

CONTAMINATED SITE SURVEY   **Site:**_____
Confidential:
Name _____   **Age:** _____   **M / F (please circle)**
Occupation or Community Role _____   **# Years Resident**_____
Contact Information (if you want information on the finished report) _____

Questions
1. Please rank the level of risk you feel the contamination on site is:
to your health (or someone you know)   no risk   1   2   3   4   5   high risk
to the environment   no risk   1   2   3   4   5   high risk
2. What are your main concerns? (e.g., drinking water from creek, cancer rates)

3. Have there been recent accidents or spills? (details)

4. a) What has been the level of clean-up at the site?
no clean-up   1   2   3   4   5   fully cleaned up   ___don't know

 b) What started the clean-up work?

c) At what rate has the clean-up work been accomplished?
slow   1   2   3   4   5   fast   ___don't know

d) What is the level of commitment of the government to clean up the site?
no commitment   1   2   3   4   5   high commitment   ___don't know

e) How effectively is the site being monitored?
not effective   1   2   3   4   5   highly effective   ___don't know

f) What is the level of community member involvement in monitoring?
no involvement   1   2   3   4   5   high involvement   ___don't know

g) How effective is the site maintenance?
not effective   1   2   3   4   5   highly effective   ___don't know

h) How involved are community members in maintenance?
not involved   1   2   3   4   5   highly involved   ___don't know

5. a) What is the level of community involvement in decisions made about the site clean-up?
no involvement   1   2   3   4   5   highly involved   ___don't know

b) What is the level of community involvement in decisions made about the health studies?
no involvement   1   2   3   4   5   highly involved   ___don't know
c) To what degree do the decisions of the project committee address your priority concerns?
not at all   1   2   3   4   5   completely   ___don't know

d) Could community members be more involved in the decisions?   Yes / No   (please circle)
If yes, how?

6.a) How available is the information about the contamination and clean-up project?
not available   1   2   3   4   5   highly available   ___don't know
b) How understandable is the information?
not understandable   1   2   3   4   5   very understandable   ___don't know
c) How credible or believable is the information?
not credible   1   2   3   4   5   highly credible   ___don't know
d) How consistent is the information from different studies/sources?
not consistent   1   2   3   4   5   highly consistent   ___don't know
e) Could communication be improved?   Yes / No   (please circle)
If yes, how?

7. a) How much has the clean-up project increased availability of jobs to locals?
not at all   1   2   3   4   5   very much   ___don't know

b) What is the level of opportunity for local training for the clean up work?
no opportunity   1   2   3   4   5   high opportunity   ___don't know

c) How useful has the training been?
not useful   1   2   3   4   5   very useful   ___don't know

8. What kind of clean-up should happen at this site?

9. Comments