

MACKENZIE VALLEY PIPELINE INQUIRY

IN THE MATTER OF THE APPLICATIONS BY EACH OF

(a) CANADIAN ARCTIC GAS PIPELINE LIMITED FOR A  
RIGHT-OF-WAY THAT MIGHT BE GRANTED ACROSS  
CROWN LANDS WITHIN THE YUKON TERRITORY AND  
THE NORTHWEST TERRITORIES, and

(b) FOOTHILLS PIPE LINES LTD. FOR A RIGHT-OF-WAY  
THAT MIGHT BE GRANTED ACROSS CROWN LANDS  
WITHIN THE NORTHWEST TERRITORIES  
FOR THE PURPOSE OF A PROPOSED MACKENZIE VALLEY PIPELINE

and

IN THE MATTER OF THE SOCIAL, ENVIRONMENTAL  
AND ECONOMIC IMPACT REGIONALLY OF THE CONSTRUCTION,  
OPERATION AND SUBSEQUENT ABANDONMENT OF THE ABOVE  
PROPOSED PIPELINE

(Before the Honourable Mr. Justice Berger, Commissioner)

**Yellowknife, N.W.T.  
October 15, 1975.**

PROCEEDINGS AT COMMUNITY HEARING

**Volume 34**

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APPEARANCES

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Mr. Darryl Carter

Mr. A. Workman

for Canadian Arctic  
Gas Pipeline  
Limited;

Mr. Reg Gibbs, Q.C.

Mr. Ed Mirosh

for Foothills Pipe  
Line Ltd.

INDEX Page

WITNESSES:

Mayor Robert FINDLAY	3237
Adolf DUESTERHUS	3250
Roger RUSSELL	3275
Mrs. Pat MASTERCHUK	3288
Miss Lannie COOK	3297
Mrs. Martha AYLOGT	3299
Miss Elaine KEENER	3311
Miss Jane LOFTUS	3314
Will HUMPHREYS	3319
Fred HENNE	3329
Ed McRAE	3339
Mayor Robert FINDLAY	3347
Everett CASTILLE	3351
Bill WATSON	3356
Roy POLLOCK	3367
Staff STEPHANSSON	3370
Dave NICKERSON	3374
Mrs. Alethea FOSTER	3379

EXHIBITS:

C-227 Submission by A. Duesterhus	3275
C-228 Submission by St. Pat's School	3319
C-229 Submission by Ed McRae	3347
C-230 Submission by Bill Watson	3367

1 Yellowknife, N.W.T.

2 October 15, 1975.

3 (PROCEEDINGS RESUMED AT 8:25 P.M.)

4 THE COMMISSIONER: Ladies and  
5 gentlemen, I will call our meeting to order this  
6 evening. If you feel like taking a seat and just --  
7 well I am Judge Berger, and this is a hearing that we  
8 have scheduled in Yellowknife to give the people that  
9 live here in Yellowknife an opportunity to discuss the  
10 proposed pipeline project.

11 As you know, there are two  
12 companies, Arctic Gas is one, Foothills Pipe Lines is  
13 the other, that want to build a pipeline to bring  
14 natural gas from the Arctic to southern markets.

15 The Inquiry has held hearings  
16 in many, many of the communities in the Mackenzie  
17 Valley, in the Mackenzie Delta, in the North Yukon to  
18 find out what the people who live here in the north  
19 think about it. At the same time we're holding hearings  
20 at the Explorer Hotel to hear the experts, the  
21 scientists, the engineers, the biologists, the people  
22 have who/made it a business of a lifetime to study the  
23 north and northern conditions. There we have lawyers  
24 who cross-examine the experts and we have an opportunity  
25 of looking in great detail at some of the studies and  
26 reports that have been carried out over the years about  
27 the northern environment, the northern economy, and  
28 about northern peoples. But it's my view that the  
29 people who live up here, who made the north their home,  
30 it's my view their views are -- their opinions are just













1 MR. WORKMAN: I'm the manager  
2 of Northern Affairs for Canadian Arctic Gas. We have  
3 our office located in the Bellanca Building here in  
4 Yellowknife. I think I could make a quick resume of  
5 what our project is by having you refer to the map on  
6 the wall at the front. You notice there on the map  
7 there are two areas that covers a little bit of Alaska  
8 and the delta area of the Mackenzie River. Now there  
9 has been gas discovered in Prudhoe Bay in Alaska, vast  
10 quantities of gas have been discovered there. There  
11 has been gas discovered in the delta area of the  
12 Mackenzie. Unfortunately, the gas in the delta area is  
13 not as large a reservoir as that in Prudhoe Bay.

14 The Americans would like to  
15 get their gas from Prudhoe Bay down to the States and  
16 we in Canada feel we should market our gas in Southern  
17 Canada. We feel the logical way to do this is to  
18 combine the pipeline that will carry both the Alaskan  
19 American gas down to the States and the Canadian gas  
20 from the delta down to Southern Canada.

21 We are proposing to build a  
22 48-inch diameter gas pipeline from the delta to the  
23 central part of Alberta, where it will split into two  
24 areas, one leading to the south-west and one to the  
25 south-east. Tied in with this will be a branch line --  
26 a 48-inch line -- from Alaska leading over to the delta  
27 to join this line. Now, the pipeline goes through  
28 critical environmental areas, it goes through  
29 permafrost, and this requires special care in building  
30 and operating a pipeline. Because it's going through

1 areas that are permanently below the freezing point,  
2 the gas must be kept cool so that wherever there is  
3 moisture in that ground, the moisture will remain as  
4 ice and not melt.

5 We do this by -- or we propose  
6 to do that by building refrigerating units after every  
7 compressor station. These compressor stations will be  
8 spaced about every 50 miles. The gas will be moved down  
9 this pipeline as a gas, not as a liquid, as a gas, under  
10 quite high pressure, 1680 pounds, and will be  
11 refrigerated until somewhere in the Fort Simpson area  
12 where the end of the permafrost zone is. It will then  
13 be allowed to rise in temperature where it will not be  
14 doing any damage to the permafrost.

15 The pipeline from Alaska I  
16 mentioned is 48 inches, and you may wonder why we have  
17 such a large diameter pipeline from Alaska. Well, the  
18 possibility is that there could be more gas required in  
19 the future, and rather than looping that section of the  
20 line or building another line from At, even though we  
21 don't need a 48-inch diameter now, we might need  
22 something more in the future so one: way of doing that  
23 would be to put in, say, a 36 inch line and later on  
24 put another 36-inch line in there; but that would mean  
25 two construction periods through a critical  
26 environmental area, and we are proposing to build one  
27 48 inch line at this time so that the damage to the  
28 environment will be minimal. We will just do one  
29 construction job through that critical area.

30 Now, during the construction

















1 actual laying of the pipe would, in the case of Arctic  
2 Gas, take three years, take three winters. During the  
3 peak period there would be 6,000 men employee north of  
4 the 60th Parallel on the Arctic Gas project.

5 The Foothills pipeline, as I  
6 understand it, involves only two years of pipelining  
7 north of 60, but for all intents and purposes it is a  
8 3-year project and they would during the peak period  
9 employ 5,600 men north of 60.

10 When the construction of the  
11 pipeline is over, and the pipeline is there, buried in  
12 the ground carrying gas to the south, the number of  
13 people employed operating the pipeline, running the  
14 pipeline, maintaining the pipeline, would be about 200  
15 to 250, whichever one is built, whether it's Arctic Gas  
16 or Foothills. The total cost of building the Arctic  
17 Gas Pipeline system in Canada would be \$7 billion plus,  
18 and the total cost of building the Foothills system in  
19 Canada would be \$4.6 billion.

20 I think that there are two  
21 features about the Foothills proposal that should  
22 concern you people who live here in Yellowknife.  
23 Foothills says that if they get the go-ahead to build  
24 this, they will establish their headquarters here in  
25 Yellowknife and will employ something like 50-55 people  
26 here in Yellowknife at their headquarters. Foothills  
27 also says that if they get the go-ahead they will supply  
28 gas at rates, that will be subsidized by southern  
29 consumers of Canada that will result in a saving for  
30 purposes of home heating of \$1,000 a year by 1985 for















1 | learn that co-operation and participation and a bit of  
2 | understanding by all concerned would lead to improvements  
3 | rather than confrontation. For myself, I am also  
4 | disappointed with the ones who expressed their concerns  
5 | about the environment. I have no quarrel that they do  
6 | express their concerns, as it is highly desirable that  
7 | human beings do learn that they should not wantonly or  
8 | carelessly destroy that on which our existence might  
9 | depend. It is their lack of clearness that disappoints  
10 | me. We have often heard the expression,

11 |         "We are, " or "I am concerned about the environ-  
12 |         ment or the ecology,"

13 | or some particular matter. Some merely express a concern  
14 | without being specific, or ask the question: "What will  
15 | it do?" too. Others go as far as speaking of an  
16 | acceptable alteration of the environment, or express that  
17 | the applicants should be required to prove that the  
18 | environment is protected.

19 |                                 It is all very well to  
20 | express concern, but it seems to me to be impossible to  
21 | satisfy anyone who expresses concern if he is unable or  
22 | unwilling to provide a working definition of what he  
23 | means by "destruction of the environment," or what  
24 | "acceptable alteration of the environment" means.

25 |                                 I suggest that it is impossible  
26 | to provide assurance that one can perform a task well if  
27 | the opposition does not provide a meaning of what they  
28 | regard as "well". The closest definition which the  
29 | Inquiry has seen came from Mr. Templeton on June 3rd,  
30 | and it is in the transcript, Volume 47, page 6232,

1 | where he said:

2 | "In our case we are defining 'impact' as  
3 | any action connected with the pipeline project  
4 | that will permanently eliminate some form of ex-  
5 | isting or potential land use activity. Our main  
6 | concern is to keep open as many options as pos-  
7 | sible for future generations."

8 | This is to me more like a statement which asks for more  
9 | answers to clarify what it does say. It sounds  
10 | important, but it is not very helpful.

11 | I should like to submit to you  
12 | a definition about the environment with the above  
13 | alteration and destruction in mind. The working  
14 | definition must include human beings for the simple  
15 | reason that we are a part of the environment; also  
16 | because any concerns about the environment must  
17 | ultimately be related to the existence and well-being of  
18 | human beings. Without human beings there is no meaning  
19 | to the terms "environment" and "ecology". With this in  
20 | mind, would destruction of the environment any actions  
21 | of human beings which would threaten our existence and  
22 | well-being, it would also be any lack of actions by  
23 | which our existence and well-being would be threatened.  
24 | The necessities for our existence would thus determine  
25 | the meaning of "destruction". It follows that any  
26 | environmental considerations must be primarily concerned  
27 | with human existence. It also follows that undue  
28 | interference with the ecosystem prohibits itself, but  
29 | that necessary interference cannot be regarded as undue  
30 | alteration or destruction if its purpose is





1 of permafrost is an on-going process of which numerous  
2 land slides, rivers, creeks, ponds, and other phenomena  
3 can be regarded as evidence.

4 As causes for the erosion are  
5 mentioned the breaking of the vegetation cover, wind  
6 flow, fire, tracking of frost hummocks, animal trails  
7 and wind and ice action on existing water bodies. The  
8 report's main study on land slides lists 67 slides  
9 along the Mackenzie River from Mile 205 to Mile 660,  
10 which amounts to one landslide for every 6.8 miles  
11 along this portion of the river, as an average.

12 A report called:  
13 "Hydrologic. Aspects of Northern Pipeline Development,  
14 1973," deals in part with a storey that occurred over  
15 the eastern slope of the Mackenzie Mountains, the  
16 headwaters of the Arctic Red River and to a lesser  
17 extent over the headwaters of the Mountain River, The  
18 Peel River was also affected on account of some  
19 tributaries in the storm area.

20 The damage to the flat plains  
21 is called significant, which a number of flood graphs  
22 show quite clearly numerous trees in excess of 30 feet  
23 high were flattened by the flood, and many landslides  
24 occurred. Some data in the report called:

25 "Hydrometric Data Collection in the Mackenzie  
26 River Basin,"  
27 is very enlightening on the magnitude of the erosion  
28 that ends up in the Mackenzie River. The farthest  
29 down-stream point from which flow data seems available  
30 is Norman Wells. The flow past this station for 1973











1 south as finished products and northern specialties.  
2 The seed pods of the wild rose, *rosa acicularis*, is said  
3 to be one of the best wild sources of lichen we'd see,  
4 and they are to be abundant in the Yellowknife region,  
5 and probably in others. It may be possible that an  
6 enterprising person would grow these roses in  
7 concentrated areas for commercial use. Gem has been  
8 made successfully.

9  
10 There are several kinds of  
11 berries that could be grown in concentrated areas in  
12 soils that are not suitable for anything else. Other  
13 ventures may be possible. But they are possible only  
14 with initiative and persistent effort.

15 The increase in population of  
16 the north practically demands that employment becomes  
17 available to support the standard of life which many will  
18 and already do regard as a right. Any standard of life  
19 thought requires participation in the efforts that make a  
20 standard possible. The food we eat must be produced.  
21 The production of food requires machinery, energy, and  
22 effort of human beings. The machinery requires raw  
23 material and energy to be built. The raw material must  
24 be found and extracted from the ground, and as well, some  
25 of the energy such as gas and oil which also requires  
26 machinery, energy and effort of human beings.

27 The same is valid for the  
28 clothe we wear, the houses we live in, the gadgets we use  
29 daily to make our life easier and more. All these thing  
30 combined make for a standard of life which is really  
based on the effort of human beings and participation in













1 To conclude, what I'd like to  
2 say again is that it would be more beneficial for us in  
3 the north if we were to exercise a little more reason  
4 and a little less emotional and political enthusiasm,  
5 Thank you.

6 Maybe I can add something else.

7 Q Yes, certainly

8 A Mr. Mirosh said before  
9 that Foothills proposes to carry Canadian gas to  
10 Canadian markets. I suppose that's what he means. I  
11 have an article -- well, part of the "Globe and Mail" at  
12 home which I picked up about two weeks ago, where it is  
13 stated or asserted, whichever it is, that -- what's the  
14 B.C. company's name again?

15 Q Westcoast.

16 A Yes, Westcoast Transmission  
17 proposes to sell 500 million cubic feet a day to the U.S.  
18 of northern gas. If you wish to have that article --

19 Q As a matter of fact, I  
20 saw it, and I thought it would be a matter that might  
21 come up.

22 A There's another item --  
23 I am curious to know, maybe Mr. Mirosh can give me an  
24 answer -- he says that northern households would save  
25 \$1,000 a year if they convert to gas, at least that's  
26 the way I understand it. In my case, for instance,  
27 would that mean that Foothills would have to pay me  
28 \$550 a year to convert to gas, because my bill is only  
29 \$460. If I save \$1,000 they would have to pay  
30 me \$550? I wonder if I understand this correctly.

1 THE COMMISSIONER: Well --

2 A I don't think Mr. Mirosh  
3 would have an answer for that.

4 THE COMMISSIONER: Well, just  
5 remain a moment and I'll see what he's got to say. In  
6 any event, you'd rather have the cash?

7 A No, I prefer to stay  
8 with oil and perhaps be subsidized --

9 THE COMMISSIONER: Yes, that's  
10 what I mean. You're not interested in getting natural gas  
11 here in Yellowknife, you want the cash. That's a  
12 reasonable proposition, and it's one that others have made.

13 MR. MIROSH: O.K., the  
14 example which I mentioned was based on 1985. What  
15 we've done is projected fuel oil costs to 1985 and  
16 we've projected natural gas costs to 1985 in  
17 Yellowknife, and on that basis, in 1985 the average  
18 household, we feel, in Yellowknife would be paying over  
19 \$2,000 a year for fuel oil.

20 A Which would mean a  
21 fourfold increase for me.

22 MR. MIROSH: Well, if you're an  
23 average household, that's right. The average household  
24 with natural gas would be paying slightly in excess of  
25 \$1,000 a year in 1985. Now that's based on a certain  
26 consumption which is calculated to be an average  
27 household consumption for perhaps a bungalow with three  
28 bedrooms and so on. In that way we project about a  
29 \$1,000 per year saving per household  
30 in 1985. Now you had an earlier question prior to that.





1 | could argue that Westcoast will do when northern gas  
2 | was coming down was to take British Columbia gas and  
3 | export that, and use Arctic gas in B.C.

4 |                                   A     But they state they want  
5 | to use northern gas.

6 |                                   MR. MIROSH: Well --

7 |                                   A     I seem to remember that  
8 | it was black and white in this article so I think this  
9 | is the end of this argument.

10 |                                  THE COMMISSIONER: Yes, well  
11 | it's been a worthwhile argument. Well thank you very  
12 | much for your very well-organized and thoughtful  
13 | statement, sir. Could you leave your written statement  
14 | with us so it can be marked as an exhibit? Thank you.

15 | (SUBMISSION OF A. DUESTERHUS MARKED EXHIBIT C-227)

16 |                                   A     Thank you, sir.

17 |                                   (WITNESS ASIDE)

18 |                                   (APPLAUSE)

19 |                                  THE COMMISSIONER: Well, does  
20 | anyone else wish to say anything? Yes sir.

21 |                                  MR. RUSSELL: May I sit down,  
22 | sir?

23 |                                  THE COMMISSIONER: Yes,  
24 | please do.

25 |

26 |                                  ROGER RUSSELL sworn:

27 |                                  THE WITNESS: I'm Roger Russell.

28 | I guess I'm almost a native of Yellowknife for the last  
29 | two years, I guess I have to follow sort of a hard act,  
30 | I guess, that just went on. I've just gone through a few

1 | little items when the Inquiry was going on and so on.

2 |   I had either the fortune or  
3 | misfortune of working for Bannister Pipeline Company in  
4 | 1972 on the TransCanada Pipeline in Northern Ontario,  
5 | and in 1972 was quite a ravage, I think, on TransCanada  
6 | they're talking about a right-of-way that's probably  
7 | about -- I could be corrected -- it's 300 feet wide,  
8 | and then associated with this there is roadways and  
9 | access roads and so on. In say the larger communities  
10 | like Norman Wells and Inuvik, there's places in  
11 | Northern Ontario that are the same, where the large  
12 | pipeline companies like Bannister, Majestic and so on,  
13 | probably just mow over, you know, probably 100-200  
14 | acres and set up ready for production.

15 |   So say past performance in  
16 | Canada on pipelines, in my mind, hasn't been very good  
17 | and even in the '70's, we're still doing quite a  
18 | ravaging in Southern Canada, let alone Northern  
19 | Canada.

20 |   Another thing that bothers me  
21 | too is I was also a laborer for TransCanada Pipeline  
22 | and at the time in '72 I was making over \$500 a week,  
23 | and it my early 20's that's an awful lot of money.  
24 | Then you g back down to say Southern Canada or Northern  
25 | Canada, an you've probably got say \$10,000 that you  
26 | never would have had before sort of thing, and so it  
27 | really does change your life-style with the large  
28 | amount of money that you do have.

29 |   I, guess both companies are  
30 | talking about hiring a lot of northern people. Well,

1 | there was a program on C.B.C. last week and it talked  
2 | about people making \$1,500 to \$2,000 a week, which is  
3 | three and four times what I was making back in '72,  
4 | which means that there is going to be a lot of northern  
5 | people here who are going to be sitting around with  
6 | maybe \$60,000 in two years sort of thing, and maybe a  
7 | lot of northern people won't want to stick around in  
8 | the Northwest Territories after that, and go down to  
9 | the southern parts of Canada and probably have, you  
10 | know, troubled times down there.

11 | So that's another point.

12 | Another real point, too, is  
13 | that there's two private companies building this  
14 | pipeline. I'd also like to know what the costs to the  
15 | Canadian Government or the Canadian people are of this  
16 | pipeline? In the article on the Alaska Pipeline, it  
17 | talked about policing problems, the social problems, and  
18 | so on, so there's going to be an awful lot of problems  
19 | that they really haven't talked about. They've talked  
20 | about construction and in hiring people, but not the  
21 | other problems, that this large influx of people into the  
22 | Northwest Territories is going to cause, which means that  
23 | the Canadian Government, the people in the Northwest  
24 | Territories are going to have to pay for that.

25 | Also, like, I've been working  
26 | and had the fortune of travelling in the Northwest  
27 | Territories over the last two years too, and I'm working  
28 | for the government, and pretty well around Inuvik and  
29 | Norman Wells and so on you can see scars from cut lines  
30 | and so on, where if my understanding is correct, a





1 | Canada they've been in twice.

2 |                                 So I think that those are the  
3 | sort of things that I would really be interested in  
4 | finding out more about.

5 |                                 THE COMMISSIONER: O.K., the  
6 | question that you raised about damage to the land is one  
7 | that we're dealing with day after day at the formal  
8 | hearings at the Explorer. It's a complicated subject  
9 | because no one has anywhere in the world ever sought to  
10 | build a pipeline through permafrost, certainly not for  
11 | along a route like this, and no one has ever sought  
12 | before to build a chilled gas pipeline anywhere in the  
13 | world. But we are looking at those questions in great  
14 | detail, as we must. All I can say is that the pipeline  
15 | companies -- I'll ask these gentlemen to add anything if  
16 | they wish -- the pipeline companies have brought before  
17 | us very detailed proposals regarding the measures they  
18 | intend to take, the kind of vehicles they intend to use,  
19 | the time of year they intend to work, the safeguards  
20 | they intend to adopt to ensure there is only minimal  
21 | damage to the land and the vegetation; and we're looking  
22 | at their whole case to see if it stands up to close  
23 | scrutiny. That's what the Inquiry is all about.

24 |                                 The other point you raised,  
25 | you said, "Well, if they're building a gas pipeline now  
26 | that if they want to build one now and then they think  
27 | they're going to build an oil pipeline later on, they  
28 | should look at the impact of both."

29 |                                 Well, we're doing that too.  
30 | and the Federal Government has asked us to do that to

1 | say to them at the end of the Inquiry, "If we build a  
2 | gas pipeline, what's the impact? And if an oil pipeline  
3 | comes afterwards, what's the impact of that? And what's  
4 | the combined impact?"

5 | Now I don't know whether --

6 | A Can I say one thing?

7 | Q Yes, certainly.

8 | A In Northern Ontario the  
9 | TransCanada Pipeline wanders around through Northern  
10 | Ontario. Also the Trans-Canada Highway, and there's been  
11 | talk for the last five years that it's possible that  
12 | there is going to be a Mackenzie Highway, and it could be  
13 | very possible to build a corridor, like a transportation  
14 | corridor, rather than having a highway and then an  
15 | adjacent sort of right-of-way for natural gas.

16 | Q Well, when the Inquiry  
17 | was established last year, the government was  
18 | contemplating the development of a transportation  
19 | corridor that would include oil and gas pipelines and a  
20 | highway, perhaps in the future hydro-electric  
21 | transmission lines, telecommunications facilities and so  
22 | on. Now their highway program has been curtailed, and  
23 | as I understand it they now have decided they will  
24 | complete the Mackenzie Highway to Wrigley by 1979, They  
25 | have no further plans to continue with the construction  
26 | of the Mackenzie Highway, so that it appears that in a  
27 | sense what we're looking at now is an energy corridor  
28 | rather than a transportation corridor. The river is  
29 | still there, which is still the main transportation  
30 | link, certainly for the carriage of freight along the

1 Mackenzie Valley. That's all I can tell you about that.

2                                   A     Well, like it's my  
3 understanding, after seeing what the operation of what  
4 gas lines are like down south, if -- well, around  
5 Aikens, Ontario back in 1972, a section of pipeline, I'm  
6 not sure what the causes were, 15 miles of pipeline was  
7 blown out of the ground, which means that it probably  
8 could happen any time of year, and it seems to me that a  
9 road has to be associated with this pipeline because if  
10 15 miles does blow out of the ground, they are going to  
11 have to get in there rather quickly and replace it.

12                                   So it seems that with this  
13 scheme you do have to have a road.

14                                   THE COMMISSIONER:

15                                   That's a good point. Do you  
16 want to say what you would do, Mr. Workman, in the event  
17 of a rupture, say in the middle of the summer when you  
18 couldn't use snow roads?

19                                   MR. WORK-MM: Yes. Well, that  
20 sounds pretty drastic to have an explosion ripping up 15  
21 miles of pipeline. I know it has happened.

22                                   However, firstly the  
23 specifications that we are putting into the type of steel  
24 to Use on this pipe, the dimensions of the pipe and so  
25 on, the engineering that's going into it must be such  
26 have that we just/eliminated, practically eliminated the  
27 possibility of such a rupture. However, you can never be  
28 sure, so as well as all these tight specifications on the  
29 steel and thickness and so on, we will have  
30 crack arresters, so that by any chance there is a rupture

1 | of the line it will be arrested in a very short  
2 | distance, it's not going to go any length. The rupture  
3 | will just be a very short rupture.

4 |   If it does happen -- and  
5 | that's a mighty big "if" --

6 |   THE COMMISSIONER: The  
7 | gentleman question was, "if it happened" and we've been  
8 | told there's a 50-50 chance of fire spreading to the  
9 | vegetation or the forest around the pipeline if there is  
10 | a rupture. How do you get in there when you don't have  
11 | a highway? How do you get in there to cope with the  
12 | rupture to repair the line, and to put an end to the  
13 | forest fire if one has started?

14 |   MR. WORKMAN: There probably  
15 | would be a fire if that did happen, and we would  
16 | certainly get in there with helicopters and get the --  
17 | well, the first thing that would happen, the pressure in  
18 | that section of line would automatically be shut off.  
19 | We have valves on each side of the break that would  
20 | automatically close to prevent further fuel from  
21 | escaping. Then the fire that would develop would have  
22 | to be put out. We would have fire-fighting equipment,  
23 | and men brought in by helicopter. Then once the  
24 | situation, the immediate emergency is overcome, we  
25 | would have to look at repairs and that would probably be  
26 | done by bringing in people, some equipment by  
27 | helicopter, and if necessary we'd have to use some of  
28 | these low-pressure ground -- low ground pressure  
29 | vehicles such as rollovers that can go over the pipeline  
30 | right-of-way without damaging the terrain.



1 | so on, you've got problems.

2 |                                   MR. WORKMAN: That 15 miles  
3 | that you were referring to was pipe designed for  
4 | Southern Canada, designed in a place where you could get  
5 | in and correct it. TransCanada was not concerned about  
6 | the environment when that pipe was laid in the ground,  
7 | as the pipeline companies are today about laying pipe in  
8 | the north. Now we are building into our specifications  
9 | for the pipe specifications that will not allow a 15-  
10 | mile split like that.

11 |                                   A     Well, what's the  
12 | difference between your check valves -- 20 miles or so,  
13 | or 50 miles?

14 |                                   MR. WORKMAN: Yes.

15 |                                   A     20 miles?

16 |                                   MR. WORKMAN: They'd be about  
17 | 20 miles, yes.

18 |                                   A     Which means that if you -  
19 | - say if it doesn't react fast enough, you could  
20 | conceivably get an explosion in a 20-mile section.

21 |                                   MR. WORKMAN: When you say  
22 | "explosion", you mean a tear in the pipe?

23 |                                   A     Well, like I'm not sure  
24 | exactly how this eruption happened in Northern Ontario.  
25 | But it blew 15 miles of pipe out.

26 |                                   MR. WORKMAN: The pipe ripped  
27 | for 15 miles.

28 |                                   A     Well, the explosion was  
29 | so intense that it brought it out of the ground, and  
30 | it was buried a minimum of three feet, and it also blew

1 up a \$2 million compressor station.

2 MR. WORKMAN: M-hm.

3 A And it's fortunate in  
4 Northern Ontario that they do have a second loop that  
5 the energy can get by, but with one line.

6 MR. WORKMAN: What I'm saying is  
7 with the specifications, the design of this pipe, there  
8 won't be a split of 15 miles. That split will be  
9 stopped. If a split were to happen, it would be stopped  
10 in a very short length, a matter of feet, not  
11 miles.

12 THE COMMISSIONER: I should  
13 tell you that they intend to use steel bands around the  
14 pipe every so often, so that -- and they call those  
15 crack arresters -- and their case is -- this is what  
16 they say and it's disputed by others -- that that will  
17 mean that if you do get a break and a rupture, it will  
18 stop where you have those steel bands around the pipe.  
19 It won't go on for miles. Now that's one of the things  
20 we're looking into. I don't expect Mr. Workman  
21 necessarily satisfy you tonight, or to satisfy me for  
22 that matter that it will work, but that's Arctic Gas'  
23 program, that's their argument.

24 A Yes, then I'll accept  
25 that. Another thing, too, is that like working on  
26 the TransCanada Pipeline, well in 1970 the technology,  
27 there seemed to be a lot of things that even when  
28 construction was going on that the pipeline companies  
29 you know, were trying out, and not really aware of,  
30 like, you know, river crossings and so on, and that's





1 and says, "No, that won't work. Our system will work  
2 a lot better." Foothills is essentially a conventional  
3 pipeline system. Arctic Gas is in many ways a new  
4 type of pipeline system, previously unused anywhere  
5 in the world, and untested as well, that's what  
6 Foothills says about the Arctic Gas system. They  
7 say it's risky, and Foothills says, "Ours is  
8 conventional, been tested in the south, it will work  
9 here."

10 Arctic Gas has a very  
11 distinguished array of engineers who have come forward  
12 to justify their program, and bear in mind theirs is a  
13 new system because they want to carry large volumes of  
14 gas from Alaska and the delta to Southern Canada and the  
15 United States, so they have to bring very large volumes  
16 through the pipe. The pressures are very great, so the  
17 pipe has to be of a greater strength than we've known in  
18 the past, and they've had to develop these measures that  
19 have been described in some detail before me and very  
20 briefly here.

21 I hope I'm doing justice to  
22 both of you.

23 A Thank you.

24 THE COMMISSIONER: Well, thank  
25 you, sir.

26 (WITNESS ASIDE)

27 THE COMMISSIONER: We have  
28 some coffee here. Maybe we could stop for five minutes  
29 and you could help yourselves to a cup of coffee, and if  
30 anyone wishes to speak afterward, after the coffee

1 | break, please come forward here a speak to Mr. Waddell,  
2 | the man dressed in the blue shirt and tie standing over  
3 | at the side of the hall, and give him your name if you  
4 | wish to say something, or if you wish to ask a question,  
5 | just get up and ask it. You don't need a brief or  
6 | anything like that. Just tell me what's on your mind  
7 | and remember, we'll be here tomorrow night too, and at  
8 | Latham Island next Wednesday, so I'd kind of like to go  
9 | home around 11 tonight, if it could be arranged. So  
10 | we'll have a cup of coffee.

11 | (PROCEEDINGS ADJOURNED AT 10 P.M.)

12 | (PROCEEDINGS RESUMED AT 10:12 P.M.)

13 | THE COMMISSIONER: We'll call  
14 | our gathering to order again now, and anyone who wishes  
15 | to speak or ask a question may do so now.

16 | MRS. MASTERCHUK: It's just a  
17 | question.

18 | THE COMMISSIONER: All right,  
19 | you go ahead. Just give us your question. Give us your  
20 | name first.

21 | MRS. PAT MASTERCHUK unsworn:

22 | THE WITNESS: My name is Pat  
23 | Masterchuk. I have sort of two questions. I can't  
24 | remember where I read this, I think it was in "Oil  
25 | Week", that the resources in the Mackenzie Delta are  
26 | limited. Now, what is "limited"? Is it a question of  
27 | five years or ten years or 15 years? How long will we  
28 | get the benefit of having built the pipeline; and  
29 | the second question relates to the statement that  
30 | in the high Arctic there's supposed to be unexplored







1 | ideal way of helping maintain this balance of payments.  
2 | Does that answer your question? Ed?

3 |   MR. MIROSH: We're proposing a  
4 | smaller pipeline, an all-Canadian pipeline, and we don't  
5 | agree in the first instance with Arctic Gas' analysis of  
6 | what is proven in the Mackenzie-Beaufort area. I should  
7 | point out that both Arctic Gas and Foothills have  
8 | consultants who are experts in estimating how much gas  
9 | is in the ground and proven.

10 |   They say 6,5 trillion cubic  
11 | feet; we say 7.5 currently. Now on the basis of 7.5, we  
12 | feel we can justify a smaller pipeline, one which  
13 | doesn't have the capital cost associated with it as  
14 | the Arctic Gas Pipeline does, one which could carry (if  
15 | that was all the gas that was in the Mackenzie-  
16 | Beaufort), 1.2 billion cubic feet a day and we're  
17 | advised by our financial consultants that could be  
18 | financable.

19 |   Now what happens, of course,  
20 | when you build a pipeline as Justice Berger has said, is  
21 | that exploration activity is enhanced. Our consultants  
22 | predict in the Mackenzie-Beaufort area that there is a  
23 | potential for discovery there of some 35 trillion cubic  
24 | feet, providing exploration activity is carried out.  
25 | Arctic Gas' consultants are even more enthusiastic, I  
26 | think, in their application; they say there is a  
27 | potential of 50 or 55 trillion cubic feet in the  
28 | Mackenzie-Beaufort area. I don't know if they've changed  
29 | that prediction recently, but I do know that we're on the  
30 | conservative side as to potentials.



1 Canadian economy is much more manageable and we feel far  
2 more reasonable.

3 Mr. Blair, the president of  
4 Foothills, however, has said that in the future we're  
5 not against transporting American gas. We just don't  
6 want this to be an American-inspired project. If  
7 producers in Prudhoe Bay came to Foothills, after  
8 Foothills was established carrying Mackenzie gas and  
9 said, "We would like you to carry some Alaskan gas." We  
10 would be quite prepared to finance and construct a  
11 pipeline across to Prudhoe providing they would accept  
12 whatever terms and charges we had to lay upon them at  
13 that time. So we're not against it. We would certainly  
14 do it if people approached us on it, but we are saying  
15 it should be a Canadian pipeline for Canadian purposes.

16 THE COMMISSIONER: Yes, go  
17 ahead.

18 THE WITNESS: I'm still not  
19 quite clear if 7.5 trillion  
20 cubic feet, how long will it take? Let's say that's all  
21 there is. You say there may be more but how long before  
22 that is extracted in terms of years?

23 MR. MIROSH: That would  
24 probably be about 15 to 18 years. But again, going back  
25 to the example of Trunk Line and Westcoast, the capital  
26 expenditure associated with those pipelines, when the  
27 deliveries were begun, were in the same comparable  
28 range. There just was not that much gas in the  
29 beginning compared to the amount of money that was spent

30 THE COMMISSIONER: I think I





1 | anyone else has anything to say, or a question?

2 |                                 THE WITNESS: What about the  
3 | second half of my question about the pipeline down  
4 | Hudson's Bay?

5 |                                 THE COMMISSIONER: Sorry, I --  
6 | oh, a pipeline from the high Arctic; well maybe these  
7 | gentlemen wouldn't mind if I just said something about  
8 | that, if I can summarize it fairly.

9 |                                 The reserves of gas in the  
10 | high Arctic are apparently greater than in the Mackenzie  
11 | Delta. There are formidable engineering problems  
12 | connected with bringing gas under the sea from those  
13 | islands to the mainland and then south, either along the  
14 | west side of Hudson's Bay or the east side of Hudson's  
15 | Bay to the south.

16 |                                 Mr. Blair of Foothills has  
17 | said that if his pipeline is built from the delta south,  
18 | to connect with the Alberta-B.C. and TransCanada  
19 | systems, then he would think that the next step would be  
20 | to bring gas from Banks Island and Victoria Island to  
21 | the delta and then down the Mackenzie Valley Pipeline.  
22 | Whether that -- no one has found gas on Banks Island or  
23 | Victoria Island, that's the only thing that's wrong with  
24 | his theory up to this point. But I suppose that some  
25 | would say that if that did occur, then you could bring  
26 | gas from the high Arctic down the Mackenzie Valley;  
27 | others would say, "No, the only way to do it is to bring  
28 | it by establishing a line that takes you to the west  
29 | coast or the east coast of Hudson's Bay, then around the  
30 | Hudson's Bay. But there is nobody that at the moment

1 | has said they want to build that pipeline. We have got  
2 | this Inquiry going because both of these companies have  
3 | said, "We want to build a pipeline in this valley.

4 | (WITNESS ASIDE)

5 | THE COMMISSIONER: I think  
6 | there are a couple of ladies who wanted to say something  
7 | or ask a question. Yes, ma'am?

8 | MRS. COOK: I would just like  
9 | to say something.

10 | THE COMMISSIONER: Sure, go  
11 | ahead. Just sit down and go ahead.

12 |

13 |

14 | MISS LANNIE COOK unsworn:

15 | THE WITNESS: O.K., I'm not  
16 | going to be at all technical.

17 | THE COMMISSIONER: Could you  
18 | give me your name first?

19 | A Yeah, my name's Lannie  
20 | Cook. I'd like to just sort of reflect on what the  
21 | north has sort of been to me and sort of maybe get a  
22 | little depressed about what might happen. It's been  
23 | really good to me for the last two years, and when I  
24 | first came up I was relieved to find a place where there  
25 | wasn't hustle and bustle, where people weren't running  
26 | around hustling for jobs, and it wasn't a pushy place,  
27 | it was nice and easy-going. I found I could meet  
28 | friends here very easily. It was a very pleasant place  
29 | to come. I think there are a lot of people who  
30 | feel this way about the north. I've run into lots of

1 | people who have said, "oh, this is sort of the place for  
2 | me, I've finally found my place away from a lot of the  
3 | southern hassles that there are."

4 |                                   I think I've been able to find  
5 | much more exciting and creative jobs up here than I  
6 | would have down south. The opportunities have been more  
7 | open here. It's been easier for me with my skills to  
8 | get the kind of jobs I want, and I think other people  
9 | have found this too. It's like a frontier place and  
10 | there's all kinds of things happening , and it's  
11 | exciting to be here.

12 |                                   I know the north is going to  
13 | have to go through changes and I think it's important  
14 | that some changes are made. I certainly approve very  
15 | much of the way the Dene people are working hard to  
16 | improve their future lives, and I certainly would  
17 | support any proposals that they would make.

18 |                                   As a white person I kind of  
19 | like it the way it is now. It's been very nice for me.  
20 | It would be too bad if it became another place like big  
21 | southern towns where you have a lot of big industries, a  
22 | lot of people dressed in fancy business suits. It's a  
23 | very relaxed place as it is now.

24 |                                   I was over in Rankin Inlet for  
25 | eight months and was amazed there at the big change that  
26 | an influx of white people can make in a small community.  
27 | I don't know what it's like in the Indian communities,  
28 | but in this little Eskimo community I was in, there  
29 | were about 100 people moving up from Churchill,  
30 | Manitoba, to re-locate the government into Rankin

1 Inlet. I found that the place became very changed just  
2 in the eight months that I was there, and it was  
3 upsetting to see people kind of felt a lot -- I felt  
4 that the Eskimo people felt a loss of power over  
5 their own lives and there were a lot of social problems  
6 there.

7 So I've come back to  
8 Yellowknife and it would be nice if Yellowknife stayed  
9 the way it has been for me in the past. I guess there  
10 are going to have to be changes made and I guess  
11 probably a pipeline will happen; but it would be awfully  
12 nice if there could be some way that we could keep the  
13 good things that are here the way they are. It would be  
14 awful nice if I don't have to go to Grise Fiord to find  
15 the nice easy feeling I found here.

16 THE COMMISSIONER: Thank you  
17 very much.

18 (WITNESS ASIDE)

19 THE COMMISSIONER: Yes, ma'am?  
20  
21

22 MRS. MARTHA AYLOGT unsworn:

23 THE WITNESS: I have several  
24 questions in regard to the pipeline.

25 THE COMMISSIONER: Maybe you  
26 could just give us your name for the record.

27 THE WITNESS: Oh, my name is  
28 Martha Aylogt. Earlier I was able to go up and hear  
29 some of the testimony before you, and the testimony  
30 I did hear was with the engineering forum before you. I

1 | am still somewhat concerned. One of the engineers there  
2 | said words to the effect that whatever problems should  
3 | arise with building the pipeline, that they would fix  
4 | them. What I am somewhat concerned about is to whose  
5 | satisfaction are they going to fix these problems? Are  
6 | they going to be to their satisfaction or are they going  
7 | to be to, say, the Territorial Government's  
8 | satisfaction, or are they going to be to the people of  
9 | the Northwest Territories? For instance, if the pipe is  
10 | going to go through native -- an area that has been sort  
11 | of designated as more or less belonging to a native  
12 | group, are they going to fix the problem to that group's  
13 | satisfaction?

14 | I don't mind them sort of  
15 | fixing problems, but I don't want them to sort of fix  
16 | a problem that is to their satisfaction but still  
17 | leaves a lot of dissatisfaction on sort of any part  
18 | of the Northwest, -or anybody in the Northwest  
19 | Territories.

20 | THE COMMISSIONER: Well, right  
21 | now they have to show to my satisfaction that they know  
22 | how to build this thing without causing the kind of  
23 | injury to the environment or to the whole fabric of the  
24 | northern community that would be regarded as  
25 | unacceptable. That is the first test they have to meet  
26 | They have to satisfy the Inquiry that they know what  
27 | they're doing, and we have been listening not only to  
28 | these two pipeline companies., but to the native organ-  
29 | izations, the environmental organizations, and people  
30 | like yourself throughout the valley who have raised







1 | is built, what happens in a situation where say within a  
2 | certain distance from the pipeline, let's say 100 miles,  
3 | they either find or maybe they do know of some form of  
4 | either ore or some other product that could be  
5 | exploited, some other resource that could be exploited.  
6 | One of the things -- one of the reasons that they  
7 | haven't exploited this resource is that they don't have  
8 | some means of power, either some means of say causing  
9 | heat in order to process, or just in order to get power  
10 | fairly close to that resource. Are the people of the  
11 | north going to be able to draw on the pipeline to -" if  
12 | it would aid them in exploiting such a resource?

13 | THE COMMISSIONER: You mean to  
14 | use the gas as fuel, is that what you mean?

15 | A Yes, or as a means of  
16 | fuel to provide power.

17 | Q You mean if someone  
18 | discovers a large body of copper and wants to establish  
19 | a copper smelter near that ore body, and then wants to  
20 | use gas from the pipeline for the purpose?

21 | A Right.

22 | THE COMMISSIONER: Well, what  
23 | do you say about that, gentlemen?

24 | MR. MIROSH: Yes, that's  
25 | something that I've mentioned before, that our policy is  
26 | to make gas available for northern use, and one of the  
27 | possible uses which I have mentioned is the benefit-  
28 | iation of ore or refinement of ore in the north, if it is  
29 | found. We've stated that the charges for transporting  
30 | gas, which we are offering to communities, would be

1 | either the actual transportation charge to the community  
2 | or the cost of that gas transported to the 60th Parallel,  
3 | whichever is cheaper. That would apply to any  
4 | industrial, commercial, or residential use in the north.

5 |                                   MR. WORKMAN: I think Arctic  
6 | Gas has stated wherever it's economical to provide gas  
7 | to any of the communities, it will do so. Now  
8 | Yellowknife is not an economic community to supply gas  
9 | to, nor is Hay River; but we could do it if, for  
10 | example, the government says one of the conditions of  
11 | building a pipeline is to provide gas to these  
12 | communities, we certainly would do that.

13 |                                   But we're not sure this is the  
14 | best thing for the community of Yellowknife or Hay  
15 | River. Maybe that money that will be spent building  
16 | such a pipeline could be better spent, as I think one  
17 | gentleman earlier tonight mentioned, maybe we could --  
18 | this money could be used to subsidize some other form of  
19 | fuel or some other method of cutting down the cost of  
20 | living in Yellowknife; and we prefer to leave that  
21 | option open, rather than to say, "We will bring gas into  
22 | Yellowknife." Let's look at all of their aspects of it.  
23 | Maybe we can find a better deal for the people in  
24 | Yellowknife.

25 |                                   A        Would you give us some  
26 | idea of what sort of communities it would be economical  
27 | to put gas into?

28 |                                   MR. WORKMAN: You have to look  
29 | at each community on its own. We have a list, and  
30 | I can't be sure right now offhand of each of these

1 | communities, but such as Inuvik, Fort Good Hope, Norman  
2 | Wells, Fort Franklin -- oh, pardon me, not Fort Franklin  
3 | -- Fort Norman, Wrigley, Fort Simpson, I know they are  
4 | all on an economic basis.

5 | THE COMMISSIONER: They are  
6 | right on the route itself.

7 | MR. WORKMAN: But when you go  
8 | any distance off that route, then economics must be  
9 | looked at pretty closely.

10 | A Well then, what about the  
11 | case then where, say within a radius of 100 miles  
12 | from one of these communities, say they were to find say  
13 | a body of say copper ore and they wanted to exploit  
14 | that. Then they would not be able to use some of the  
15 | gas?

16 | MR. WORKMAN: No, if there is  
17 | a large enough demand for the gas and it's going to be a  
18 | use that will require gas in a volume that will be  
19 | economic to bring it in, in other words it's not just  
20 | 2,000 cubic feet a year or anything like that, you know,  
21 | something that will warrant building a pipeline into  
22 | that particular operation, then it would be done. But  
23 | we'd have to look at each one, and it seems that if  
24 | there is a good find of say some ore or some industrial  
25 | or commercial concern that looks like it should be set  
26 | up near the pipeline, then by all means we would be glad  
27 | to supply that particular factory or whatever it might  
28 | be.

29 | But I think we'd have to look  
30 | at each individual case on its own merits.

1                                   A     I see. I do have one  
2 other question, and I don't know exactly who I should  
3 ask it, I don't know whether you're really the person  
4 who can answer it, but I'll ask it anyway

5                                   That is that the Federal  
6 Government, is it would appear, entering into talks with  
7 the American Government about writing a treaty covering  
8 this pipeline, and the use of the gas. So far because  
9 of the different levels of government, no one from the  
10 N.W.T. is sort of going to be present to hear or  
11 participate in these discussions. If the N.W.T. is  
12 going to develop and if at any time in the future it  
13 should become, say, viable to be a province on its own,  
14 and at that time we take over) the government. that  
15 would be set up in the N.W.T. were to take over the  
16 rights that a province would have regarding natural  
17 resources, how are we to sort of know what has been  
18 bargained for on our behalf?

19                                   THE COMMISSIONER: Well, let  
20 me put it this way, I don't think that I know any more  
21 about -- all I know about this treaty is what I read in  
22 the papers, but the Government of Canada is responsible  
23 for making treaties and not the provinces, even if the  
24 N.W.T. were a province it would still be the Government  
25 of Canada that would be making the treaty. The treaty  
26 appears to be to ensure safe and uninterrupted passage  
27 of gas from a point within one of the countries to  
28 cross the other country's territory, and as I  
29 understand it, Canada has gas pipelines that go through  
30 the U.S. now and re-enter Canada, and its designed to



1 close to 11 and oh -- unless you wanted to say  
2 something, sir?

3 A VOICE: I was just thinking  
4 the same thing as you were.

5 THE COMMISSIONER: You had the  
6 same idea.

7 (LAUGHTER)

8 Well, that makes it unanimous.  
9 I want to thank all of you who came tonight and I repeat  
10 that I regard your views, as this is your home, it's  
11 your future, what happens to you, if you live here is  
12 something that is as important as the views of the  
13 experts that I'm hearing at the Explorer, and your  
14 opinions are just as important to me as the opinions of  
15 the experts.

16 I want to thank you for coming  
17 tonight and I just want to say that we will continue  
18 this community hearing for the people of Yellowknife  
19 here at the Elks Hall tomorrow evening at eight o'clock  
20 and if you can come back then I'll look forward to  
21 seeing you then, and we can discuss these matters  
22 further. So thank you.

23 (PROCEEDINGS ADJOURNED TO OCTOBER 16, 1975)

24

25

26

27

28

29

30

Yellowknife, N.W.T.



1 Mackenzie Delta gas south to markets in Southern Canada  
2 They told us that when this pipeline is completed there  
3 would be something like 200-250 people employed in  
4 operating it and maintaining it here in the north.

5 Foothills proposal is  
6 different from Arctic Gas' proposal in that so far as  
7 Yellowknife is concerned, Foothills says two things  
8 about Yellowknife, they say first of all they would  
9 establish their headquarters here in Yellowknife and  
10 they would employ approximately 50 to 55 people here at  
11 Yellowknife Foothills also says that they would build a  
12 branch line from the main trunk pipeline heading south  
13 into Alberta, that branch line would come around to  
14 deliver natural gas to Fort Rae and Yellowknife so that  
15 householders here in Yellowknife would be able to heat  
16 their homes with natural gas at what Foothills says  
17 would be a saving to each home-owner of \$1,000 a year by  
18 1985. So that's what their proposals consist of.

19 They have representatives here  
20 tonight and later on we'll ask them to say something  
21 about the project. In the meantime they are here,  
22 as I am, to listen to you. If you have any questions  
23 about the Arctic Gas project or the Foothills project,  
24 you have the right just to get up and ask a question  
25 and we'll make sure that these people get up to answer  
26 it.

27 If you have any statement to  
28 make, any submission to make, you're welcome to come  
29 forward and do so, and it doesn't have to be in writing.  
30 If it is, that's fine; but if it isn't, if it's just



1 something that's going around in your head and you want  
2 to tell me about it, that's all right too. If you've  
3 got a question, you can just ask a question because  
4 that's fine with me, too.

5 So I think we'll just go ahead  
6 now and hear from any of you who have anything to say at  
7 this time. You can come forward to this chair here and  
8 sit down, if you like, and just make yourselves  
9 comfortable.

10

11 MISS ELAINE KEENER sworn:  
12 THE WITNESS: We're  
13 representing St. Pat's social 20 and 30 classes.

14 THE COMMISSIONER: Would you  
15 just give me your name first?

16 A My name is Elaine Keener.

17 Q Go ahead.

18 A It was our intention in  
19 preparing this brief to survey the available literature  
20 on the impact of the proposed pipeline, and through a  
21 series of interviews, to prepare a statement of our  
22 position and point of view. We are speaking this  
23 evening not as experts or as radical advocates of a  
24 cause, but only as concerned citizens. We hope we do  
25 not offend anybody with our report, or misrepresent our  
26 sources of information.

27 We arbitrarily decided to  
28 break up our study into four sub-sections. We realize  
29 that it is decidedly difficult to deal with one area of  
30 concern independently of the others; but for purposes

1 of apportioning research assignments it became  
2 necessary.

3 Q Excuse me, just slow down  
4 a bit. Take your time. I'm anxious to make sure that I  
5 hear what you say.

6 A Sorry.

7 Q That's O.K.

8 A Our four topical areas  
9 are: (1) economic advantages and disadvantages;  
10 (2) social implications and impact;  
11 (3) environmental concerns;  
12 (4) political ramifications.

13 The first area that I am going  
14 to deal with is environmental concerns. Through our  
15 research we have come to the conclusion that a pipeline  
16 down the Mackenzie Valley would drastically affect the  
17 environment. Presented here are some of the questions  
18 we feel should be answered before the contract to build  
19 the pipeline is awarded.

20 (1) How will the pipeline affect the migration of the  
21 caribou?

22 (2) What guarantees are going to be made that will ensure  
23 that no scars will be left on the terrain?

24 (3) What effect will the cold line have on vegetation and  
25 on the permafrost?

26 (4) How will erosion, sloughing and borrow pits be  
27 remedied?

28 (5) What guarantees will be made against fire?

29 (6) What effect will the changes in the current and  
30 waterflow in streams and rivers have on the spawning















1 THE WITNESS: Thank you.

2 (WITNESS ASIDE)

3 THE COMMISSIONER: I should  
4 say t the students from St. Pat's , the Inquiry  
5 receives briefs from students in schools in many parts  
6 of Canada, and we have in particular received a brief  
7 from a Grade 10 class from Guelph, Ontario, and I'll see  
8 that Mr. Waddell, who is on my staff, supplies you with  
9 a copy of that brief. You might be interested in  
10 looking at it and comparing it to your own brief.

11 Well, anyone who would like to  
12 say something, or ask a question? You had better look  
13 sharp because if somebody doesn't say something quickly  
14 I'll ask the pipeline representatives to say something,  
15 and then we're in the glue.

16  
17 WILL HUMPHREYS sworn:

18 THE WITNESS: My name is Will  
19 Humphreys, and I work in the mineral exploration field.  
20 I've been in the Northwest Territories for various  
21 periods of time each year since 1969, the last two years  
22 I've operated a small exploration business using  
23 Yellowknife as my base.

24 Because of my job I have  
25 travelled extensively across the Territories and spent a  
26 great deal of time in the field. The scale of  
27 operations that I am involved in is very small indeed  
28 compared to the proposed pipeline. However, I can see  
29 how situations I have run into can be extrapolated into  
30 the nature of this Inquiry. Sir, if I may, rather than



1 subcontractors, sub-sub-contractors, and a great many  
2 associated service companies. It has been my experience  
3 that such a mass of people, camps and equipment do a  
4 great deal of damage, especially if the project is a  
5 rush one. There will be some companies formed for the  
6 sole purpose of getting a piece of the action.  
7 Unexperienced in the north, they will rush in and make a  
8 buck and get out. After the fact, it is difficult to  
9 undo the damage or to prosecute them, for how do you  
10 prosecute a company that no longer exists?

11 Major staking rush-ins in my  
12 business have always attracted a number of fly-by-night  
13 outfits, and I would assume that the pipeline would do  
14 similar. Even companies with reasonably good  
15 reputations often have personnel who know the ropes. If  
16 you have supplies you no longer need and have to get rid  
17 of, just find a deep lake. Animals are shot just  
18 because they are there, they take the skins to Boudway.  
19 Anyone who has worked any length of time in the bush  
20 knows of many such practices. It's very hard to prove  
21 and harder to prosecute.

22 These may seem like small  
23 points, but they are indications of what goes on.  
24 Without good regulations and inspection of camps, the  
25 work lone, etc., I fear the worst.

26 Now for some of the social  
27 issues, I worked in Norman Wells a few years ago. There  
28 were a lot of companies doing construction and oil work  
29 up and down the Mackenzie Valley. The town itself could  
30 be divided into two classes: Those who dumped, and





1 | conflict, and be inspected by several different people.  
2 | Such a system is difficult for small jobs. For  
3 | something the nature of the pipeline it is unworkable.

4 |                   My fear is that there won't be  
5 | much inspection, or that every department under the sun  
6 | will go forth and multiply, creating utter confusion and  
7 | still not get the job done. I would suggest the  
8 | formation of one department responsible in enforcing one  
9 | encompassing set of regulations. I do not mean to  
10 | expand the government, as taxes are high enough; but to  
11 | re-organize things and make them efficient. Certainly  
12 | we need departments dealing with specific fields and  
13 | doing research. It is now at a chaotic point. To use  
14 | an analogy, it is as if we had a Police Force for every  
15 | type of crime committed. One major crime would thus  
16 | involve contact with several various departments,  
17 | several police at the scene, and none of them working  
18 | together.

19 |                   The creation of such a  
20 | single department could also be beneficial in many  
21 | other ways, mainly in correlating the field activities  
22 | of all the other departments. As it is now, several  
23 | departments will be working in the same area, and  
24 | being inspected by each other, and wasting a pile of  
25 | money.

26 |                   Next, the government people  
27 | who do go into the bush should be trained in the ways of  
28 | the bush. Some inspectors are good, but others are  
29 | plain green-horns. An example, looking for a diamond  
30 | drill, expecting to find an oil well; taking effluent



1 collected. A great source of information is being  
2 ignored. I am speaking of the hundreds of people who  
3 live and work in the bush.

4 Now just to use an example  
5 what I mean, if we take the weather. Most bush camps --

6 THE COMMISSIONER: If we take  
7 the what?

8 A If we take a look at the  
9 weather situation.

10 Q Yes.

11 A Most bush camps have 2-  
12 way radios by which they report to private individuals  
13 in town every day. As a matter of course we report the  
14 visual weather in case any planes are trying to get into  
15 our camps. Why doesn't the government set up systems  
16 where we are given portable weather stations and' then  
17 they collect all this data? It would certainly give a  
18 much better weather picture than the current few weather  
19 stations.

20 Another example is wildlife.  
21 I know most of the animals that I see, I can count and I  
22 can record this. Wouldn't all this data from all people  
23 in the bush like myself give a much better picture of  
24 the wildlife, its patterns, etc., than is currently  
25 available? At present no one is collecting this data.  
26 Why not set up an organization to do so? I do not  
27 mean that everyone in the bush be forced to spend  
28 hours filling out paper work and taking records.  
29 The government money could be spent much more wisely to  
30 pay people to do this as a sideline to their other







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(WITNESS ASIDE)

FRED HENNE sworn:

THE WITNESS: Justice Berger,  
ladies and gentlemen, my name is Fred Henne. I am a  
resident of Yellowknife for some 28 years. I am  
president of the Yellowknife Chamber of Commerce and I'm  
also a local business man in the community, having been  
in business since 1949, about 26 years.

I don't particularly speak as  
the president of the Canadian Chamber of Commerce this  
evening because we don't have a prepared brief, but I  
wish to talk to you as a representative of the Chamber  
of Commerce and the local business people as well as a  
local business man with the years of experience I've had  
in the country.

I would like to preface my  
remarks by saying that as a business man and as  
president of the Chamber of Commerce, in both fields we  
support the building of a pipeline or pipelines to bring  
energy from the north to the rest of Canada. It is my  
feeling that this type of energy is one of the things  
that we have been living with for a considerable number  
of years and I don't think that we are readily going to  
be able to change our way of life without this type of  
energy.

I am sure that we will have to  
change our way of life or change our form of energy  
before we go into maybe another decade or two decades or  
three decades. But realizing that this form of energy





















1 | years, if you want to put them in those categories, have  
2 | to be able to sit down around a table but we have to do  
3 | it in our own locality, in our own government. We don't  
4 | need the dictates of foreign government -- and I don't  
5 | want to call Ottawa foreign government, but it's removed  
6 | from the Territories and it has that sort of connotation.

7 | I think that this is a very  
8 | tantamount thing as far as we are concerned. We need  
9 | self-determination. We need self-government. We need  
10 | equal rights. We want to have equal opportunity, and  
11 | I'm talking about the people of the north. We want to  
12 | protect our ecology, if that is a necessity. We want to  
13 | protect our way of life. We want to be able to work and  
14 | we want dignity. I think that to do that we have to.  
15 | forget any differences, we have to work for a common  
16 | goal and that is to develop our energies, to get  
17 | together. The pipeline's a necessity and I think we  
18 | should get on with it. Thank you.

19 | THE COMMISSIONER: Thank you  
20 | very much, Mr. Henne, for giving us the benefit of your  
21 | many years of experience with life here in the north.  
22 | Thank you very much.

23 | (WITNESS ASIDE)

24 |

25 |

26 | ED MCRAE sworn:

27 | THE WITNESS: My name is Ed  
28 | McRae and I'm a staff representative for the Steel  
29 | Workers Union in the Northwest Territories.

30 | Mr. Commissioner, I am very



1 | from the truth.

2 |   Some native people and indeed  
3 | some of us white people depend upon the land for all or  
4 | part of their income, and for all or part of their  
5 | food. Anything that would except the ecology of the  
6 | land or damage the delicate balance of nature can do  
7 | nothing but inflict hardship on the people who depend on  
8 | the land.

9 |   This proposed Mackenzie Valley  
10 | Pipeline is no ordinary development. I realize that  
11 | environmental impact studies have been made, but I am  
12 | not sure in my own mind that the results are clear. I  
13 | am firmly convinced that the environmental damage will  
14 | be significant. This damage will be borne I by the  
15 | residents of the Territories and especially by the  
16 | native people.

17 |   Furthermore, some of the damage  
18 | will occur in areas the native peoples are claiming.  
19 | Representatives of the native groups and individuals have  
20 | already testified before you, Mr. Berger, that the  
21 | construction of a pipeline during negotiation of these  
22 | claims would prejudice their case. To make any decision  
23 | about pipeline while these land claims are still  
24 | unsettled would be both grossly unjust and  
25 | incomprehensible I sincerely believe that no pipeline  
26 | rights should be granted until the environmental impact  
27 | has been thoroughly assessed, the means of mitigating  
28 | that impact has been decided, and until the land claims  
29 | have been settled to the satisfaction of the native  
30 | people.







1 Company of Canada. This story is true to varying  
2 degrees all over the north and in isolated communities.

3 In Grand Val, B.C., there is  
4 no doctor. In Snow Lake, Manitoba there is no surgical  
5 facility. In El Dorado, Saskatchewan, there is no  
6 movie theatre. Grande Cache, Alberta, there is no  
7 dentist. Cassiar, B.C., there is no adult education  
8 available. In Pine Point children are bussed 120 miles  
9 a day to Hay River to finish secondary school. In Elsa  
10 in the Yukon, beer is \$6.00 per dozen. I end this  
11 varied summary with beer because after all it's the  
12 simple things that the people of the north want. It  
13 isn't paradise they're after. It's a doctor, or a  
14 dentist, or a chance to go to school, or read a  
15 newspaper about their town, or see a movie, or live in  
16 a decent home, or feel some measure of security and  
17 safety on the job.

18 Like most resource-based towns  
19 in the north, millions of dollars have been made for the  
20 shareholders of a few corporations, but not much has  
21 been returned to the communities in northern areas. It  
22 has been estimated by the Research Department of the  
23 Steel Workers union that half a billion dollars a year  
24 in profits come out of the north. Very little of it  
25 comes back to the north in wages, decent housing,  
26 community improvements, or taxes.

27 It seems to me that the  
28 people of the Territories will be faced with a similar  
29 problem if a decision to build the pipeline is made.  
30 Both Arctic Gas and foothills have not made any



1 I wish to state most  
2 emphatically that I am opposed to a pipeline in the  
3 Mackenzie Valley until:  
4 (1) all the land claims are settled to the satisfaction  
5 of the native people;  
6 (2) the environmental impact has been thoroughly as-  
7 sessed;  
8 (3) the means of mitigating the impact has been decided  
9 and proved;  
10 (4) there is a demonstrated need to develop this re-  
11 source;  
12 (5) the people of the region decide that they do indeed  
13 desire this project;  
14 (6) the project is brought under public control and out  
15 of the hands of private promoters.

16 I wish to thank you, Mr.  
17 Berger, for listening and to say in closing that the  
18 people in the Territories are counting on you to help  
19 them stop this project. As I understand the terms of  
20 reference of the Inquiry, I believe that you don't have  
21 this authority. I would only hope that someone  
22 somewhere could put a halt to this project before we  
23 hear the argument that the project has gone too far to  
24 be stopped. I am convinced in my own mind that the  
25 Liberal Government has their mind made up that there is  
26 going to be a pipeline, and that we are only going  
27 through an exercise here. I hope that I am wrong and  
28 there is a chance the project can be stopped until  
29 all the social, environmental and economic problems of  
30 developing the Mackenzie resources are solved.





1 | may do so after coffee. So we'll just adjourn for a  
2 | moment now.

3 | (PROCEEDINGS ADJOURNED AT 9:30 P.M.)

4 | (PROCEEDINGS RESUMED AT 9:55 P.M.)

5 | THE COMMISSIONER: Ladies and  
6 | gentlemen, we'll call our meeting to order again.

7 | Maybe I should just tell you -  
8 | - I did this last night but it might be helpful to those  
9 | of you who weren't here last night -- I told those that  
10 | were here last night that in the past when somebody  
11 | wanted to build a pipeline in Canada, they went to the  
12 | National Energy Board in Ottawa and they said, "We want  
13 | to build a pipeline. Will you let us go ahead and do  
14 | it?"

15 | The National Energy Board  
16 | would consider such things as -- well, how much is  
17 | there, who are the people who want the gas, how much  
18 | will it cost to transport it, will there be a  
19 | surplus that we can export to the United States, and  
20 | so on.

21 | Well, these two pipeline  
22 | companies, Arctic Gas and Foothills, they have to go  
23 | to the National Energy Board and fight it out over  
24 | those questions, how much gas is there, where is it  
25 | needed, how badly is it heeded, what will it cost to  
26 | transport it, what should the rate of return on their  
27 | investment be, should any of it be exported to the  
28 | United States? All of those questions will have to  
29 | be fought out before the National Energy Board; but  
30 | what the Government of Canada did in this instance was













1 Whitehorse, and he gave us some figures from the  
2 pipeline construction. The lowest paid person in the  
3 camps in Alaska is the camp attendant, the chambermaid,  
4 whatever you want to call her, and a typical monthly  
5 cheque for a chambermaid is \$2,200 after taxes, and the  
6 rates go up from there.

7 That's the kind of problem  
8 that you're concerned about and so am I. We had a  
9 witness from the Foothills Company, Mr. -- gosh, I've  
10 forgotten his name -what was the name? No, the man that  
11 worked on the pipeline in Austria.

12 A VOICE: Mr. Bauer.

13 THE COMMISSIONER: Mr. Bauer,  
14 who said they were building a pipeline up from Trieste  
15 in the Adriatic to Vienna or some place, I've forgotten  
16 He worked on it and he said they started off trying to  
17 keep the wage rates down and employing people at wages  
18 that were comparable to what they were getting in the  
19 locality, doing all the things that we've been urged to  
20 do, and he said they couldn't get it built. They had  
21 to bend on that program and pay the high wage rates to  
22 get the pipeliners in to do the work. That's by no  
23 means the whole story, but we've been looking into the  
24 problem and it is a problem, and we're scratching our  
25 heads to see if we can come up with some solutions and  
26 so are Arctic Gas and Foothills because their policy  
27 is to see that northerners are employed to the  
28 greatest extent, and to see that there is minimal  
29 disruption to business. There's another point you  
30 raised that is interesting. You said you didn't

1 realize this hearing tonight would be as formal as it  
2 is. The order-in-council establishing the Inquiry says  
3 that we have to hold the hearings in public, that means  
4 that I can't go to anybody's home and sit down in his  
5 living room and hear what he's got to say. It has to  
6 be said in public. It also has to be taken down. The  
7 order-in-council says it has to be taken down and a  
8 transcript has to be typed up, and if you're going to  
9 have a good turnout from the community, as we have had  
10 this evening, then we have to hire a hall.

11 So we do the best we can, but  
12 I'm glad that you decided to speak up anyway, and I want  
13 to thank you very much for your contribution.

14 (WITNESS ASIDE)

15  
16 BILL WATSON sworn:

17 THE WITNESS: Mr. Berger, I  
18 think I'd like to begin what I have to say tonight --

19 THE COMMISSIONER: Could you  
20 give me your name first?

21 A Oh, I'm sorry, Bill  
22 Watson.

23 Q Thank you.

24 A -- by expressing my  
25 appreciation for what's going on in this hall tonight,  
26 and what has gone on in other settlements and towns in  
27 the Northwest Territories over the last several months.

28 I think especially the  
29 community hearings that have been held along the  
30 proposed pipeline route have been especially important



1 spoken, to what action, I think, is also a vital  
2 question at this time? I think this goes beyond the  
3 issues and the words. People, I think, must look into  
4 their hearts and minds and not just express opinions or  
5 take sides.

6 Now during my days that I have  
7 been in this land and seen the people how they live, and  
8 especially the effect of the outside influence and  
9 domination, it makes me very concerned about the future.  
10 We hear people discuss this pipeline in this Mackenzie  
11 Valley, whether or not we will build a pipeline and when  
12 it will be built, how it will be built, who it will be  
13 built by, but I think this really evades the issue. I  
14 think the real issue that confronts everyone at this  
15 time is what are we doing now and how are we going to  
16 live our lives on this earth at this time and in this  
17 place? How are we going to conduct ourselves as human  
18 beings?

19 I think it's also important to  
20 ask where we have been, where we are now, and where we  
21 are going, and to keep that in perspective. So I think  
22 it's very important that every person look deeply at  
23 the reality that faces them in their everyday life, and  
24 then look at what life is coming in the future for  
25 ourselves and for those around us. Only then, I think,  
26 can we begin to talk about pipelines or other such  
27 developments.

28 I think it would be important  
29 right now if we reflect for a moment about this land  
30 and about the people of this land. It seems fairly











1 The second disaster was the big flood which  
2 followed a series of terrifying earthquakes and  
3 turned the mountains into an icy plain, and all but  
4 a few Inuit drowned.

5 The third disaster came during the  
6 terrible year of two winters when the Inuit could  
7 not get food and died of starvation. During this  
8 third disaster, the terrible year of two winters,  
9 and other hard times, sacrifices were made to keep  
10 the Eskimo hunter strong. This was done because  
11 when food was scarce, if a hunter did not have  
12 the strength required to continue the hunt, then  
13 all was lost. All the people would die of  
14 starvation.

15 The fourth disaster came after the  
16 Inuits first contact with the white man, men who  
17 brought them the terrible sickness during the flu  
18 epidemic of 1918. After the fourth disaster of  
19 the terrible sickness in 1918, only a few villages  
20 on the North Slope remained intact. Most of the  
21 rest of the villages and camps-had lost all but a  
22 few individuals. The confusion, shame, and  
23 isolation felt by the few surviving Inuit after  
24 the flu epidemic were blurred by another gift of  
25 the white man, alcohol. This gift eased the  
26 message of the physical, mental, and social  
27 inferiority which was inherent in the interaction  
28 between the two cultures.

29 The fifth disaster is the taking of  
30 the land from the Eskimos, and because the whites









1 | your only survival." I hope he is wrong. We do not  
2 | have anything resembling 10,000 years remaining to  
3 | us to make that decision, if we are to survive,  
4 | either you or I.

5 | Again I'd like to thank you  
6 | for this opportunity.

7 | THE COMMISSIONER: Thank you  
8 | very much, Mr. Watson, for a most thoughtful  
9 | presentation. Can you leave your written statement with  
10 | us even if it's difficult to make out? It's helpful to  
11 | us to be able to have it.

12 | A Yes, I'll leave it.

13 | THE COMMISSIONER: Fine.

14 | Thank you very much, sir.

15 | (SUBMISSION BY BILL WATSON MARKED EXHIBIT C-230)

16 | (WITNESS ASIDE)

17 |

18 | ROY POLLOCK sworn:

19 | THE WITNESS: My name is Roy  
20 | Pollock. I reside in Yellowknife and have for oh, about  
21 | 21 years -- I think I stopped counting about two years  
22 | ago. About two years ago I went to the Yukon and they  
23 | have the word for a southern person coming north, and  
24 | they call him a "sourdough". I also heard the  
25 | definition for a "sourdough", which is a person who is  
26 | sour on the country and not enough dough to get out.

27 | Well, I assure you, I'm not  
28 | sour on the country and I've got more than enough dough  
29 | to get out. I'm a northerner, first and foremost.

30 | Now, I am in agreement with

1 | the pipeline. I think it should be built, and I have a  
2 | little note from NEWS OF THE NORTH, it's an article here  
3 | giving Canadian Arctic Gas Pipeline Limited received  
4 | vote of support last week from the Ontario Natural Gas  
5 | Association. Well, I want to give Foothills Pipe Lines  
6 | a vote of support on the grounds that they propose o put  
7 | in trunk lines to the communities affected along the  
8 | route of the pipeline. My vote won't count, so it don't  
9 | make no difference now anyway.

10 | I also have a news clipping  
11 | from THE YELLOWKNIFER which was made by an environmental  
12 | student working for the University of Calgary who did  
13 | some studies on development in the high Arctic, western  
14 | Arctic, eastern Arctic, and all of the places in  
15 | Northern Canada, and it says:

16 | "Many of our technical solutions fall flat in the  
17 | Arctic because we do not understand the people in  
18 | situations we are planning for."

19 | It goes on to say:

20 | "He believes we must allow people in northern  
21 | settlements to incorporate their own values and  
22 | aspirations into decision-making process by  
23 | enabling them to make meaningful trade-offs between  
24 | different human aspirations which may not be  
25 | compatible,"

26 | and he cites some examples of single dwelling units and  
27 | stuff like that.

28 | But I think one of the greatest. key statements is in  
29 | the last paragraph:

30 | "Tester maintains that if we do not initiate



1 | is done, other than enquiring. Thank you.

2 | THE COMMISSIONER: Thank you  
3 | very much, Mr. Pollock. Thank you very much.

4 | (WITNESS ASIDE)

5 | STEFF STEPHANSSON sworn:

6 | THE WITNESS: Justice Berger,  
7 | ladies and gentlemen, my name is Steff Staphansson. I'm  
8 | speaking just as a private citizen tonight, I am a  
9 | biologist with the Canadian Wildlife Service. I  
10 | intended originally to come here just to listen to the  
11 | hearings; but numerous points and comments have been  
12 | made by some of the people speaking so I thought I would  
13 | say a few words mainly on behalf of environmental issues  
14 | that have come up.

15 | I grew up in Northern  
16 | Manitoba, was born and raised in Flin Flon, and in many  
17 | respects my experiences here in the Northwest  
18 | Territories has been similar. It's a mining  
19 | community, as some people well know, as is Yellowknife,  
20 | although it's becoming heavily loaded with government  
21 | too.

22 | When I was a kid growing up  
23 | there was no real concern about environmental issues  
24 | simply because they weren't economically viable. Now  
25 | that we are in this day and age here where environmental  
26 | issues really have become important because they are  
27 | considered, not necessarily because they are economically  
28 | viable, but because there is so much public interest in  
29 | the environment.

30 | I'd like to speak mainly on







1 I really can't help but feel  
2 that you know, I see this pipeline probably going  
3 through and probably the major effects of the profits  
4 will be going down to Southern Canada and will not have  
5 really that many effects borne up here in the  
6 Territories, although Foothills have proposed trunk  
7 lines and so on and so forth. But I can't help but feel  
8 that this whole thing about development and the state of  
9 affairs that we're in now, like inflation and shortages  
10 and high costs of energy, the whole thing of  
11 development, that development really is the basis of all  
12 those costs that we're bearing and that's what has been  
13 found in the south. Now I think we are trying to say,  
14 "O.K., let's not make the same mistakes as we've made in  
15 the south, let's take it slow and do a rational  
16 development and get this thing done if it's going to be  
17 done as humanely as possible."

18 Thank you, sir.

19 THE COMMISSIONER: Well, even  
20 though you came only to listen, I'm glad you decided to  
21 say something, Mr. Stephansson. Thank you.

22 (WITNESS ASIDE)

23

24 DAVE NICKERSON sworn:

25 THE WITNESS: Dave Nickerson,  
26 member of the Northwest Territories Council for  
27 Yellowknife North.

28 Mr. Commissioner, myself and  
29 my colleague from Yellowknife South, Mr. Searle, expect  
30 to be presenting a formal brief to you sometime early in





1 value of eight days' throughput, which --

2 THE COMMISSIONER: Per annum?

3 A Per annum, per annum, so  
4 in the case of the Arctic Gas plans with a throughput of  
5 4 1/2 million cubic feet, and assuming a value of about  
6 a dollar a thousand, that would mean roughly \$40 million  
7 a year to the Territorial coffers.

8 THE COMMISSIONER: Well,  
9 assuming it to be constitutionally possible, rather than  
10 have them try to sort that out, do you have anything to  
11 say about the question? Step up, both of you, if you  
12 wish, to the table.

13 A It was, Mr. Commissioner,  
14 a rather rhetorical question, I must admit.

15 THE COMMISSIONER: Well, Mr.  
16 Mirosch of Foothills, is advancing toward the microphone,  
17 so -- and Mr. Workman.

18 Ladies and gentlemen, the  
19 gentleman on my right is Mr. Mirosch, the vice-president  
20 of Foothills; the gentleman on my left is Mr. Workman,  
21 the Northern Affairs manager for Arctic Gas. They are  
22 very constant and important feature of our community  
23 hearings. Well, who wants to answer the question?

24 MR. MIROSH: Well, I have a  
25 microphone in front of me. I do feel it's a very  
26 difficult question and I don't think I can answer it  
27 specifically; but I did come up just to make one or  
28 two points, and that is that there will be taxation  
29 benefits to the Territories from gas plants and  
30 pipelines running through them, very likely on some

1 formula. As to what that formula will be, I really  
2 don't know at this time.

3 A From that I would assume  
4 that you would not strenuously object to such a  
5 suggestion as that?

6 MR. MIROSH: Well, I think in  
7 all fairness, the formula which you put forward would  
8 have to be studied under the assumption that it could be  
9 done, and the economics would have to be looked at. But  
10 a pipeline company does not own the gas and normally  
11 assessing taxation on the throughput with the value of  
12 the gas going through would not be a way which it would  
13 likely be assessed. It would probably be assessed more  
14 on the capital cost of the plant which is installed, the  
15 pipeline in the ground, the compressor stations, and of  
16 course the taxation benefits of employees and housing  
17 and so on.

18 MR. WORKMAN: I'd just like to  
19 add that Canadian Arctic Gas certainly is interested in  
20 hearing various proposals that come out of these  
21 hearings, and I certainly can't give an answer for this  
22 sort of question tonight, but I tell you I will certainly  
23 pass it onto our officers. But as Mr. Mirosh has said,  
24 this is certainly not the normal way of government taxing  
25 pipeline companies on material that they don't own; but  
26 we appreciate any sort of suggestions and we will  
27 certainly give it consideration, In assure you

28 THE COMMISSIONER: It looks  
29 like you've managed to get Arctic as and Foothills  
30 together on one point. You might, Mr. Nickerson, if









1 | aboriginal political rights, and for them to be able to  
2 | determine their own future, and if that is believed then  
3 | the native people will have to be listened to in terms  
4 | of how they feel about the pipeline, and what kinds of  
5 | conditions and restrictions or problems that they see  
6 | happening, and all their feelings will have to be taken  
7 | into consideration. That's all I have to say.

8 | THE COMMISSIONER: Thank you  
9 | very much.

10 | (WITNESS ASIDE)

11 |  
12 | THE COMMISSIONER: Well, I  
13 | think, ladies and gentlemen, that I'll close the hearing  
14 | for tonight. One reason is that I think that all of you  
15 | who wished to speak have had an opportunity to do so.  
16 | The second is that I am anxious to pay the most careful  
17 | attention to what you say. I take the view that what  
18 | you have to say is just as important as what the experts  
19 | who give evidence at the formal hearings at the Explorer  
20 | Hotel have to say, and I take the attitude that I can  
21 | learn from each one of you, and I have done so this  
22 | evening.

23 | I want to thank all of you who  
24 | came this evening and I want to thank especially those  
25 | who expressed their views and gave me the benefit of  
26 | their experience and opinions tonight. I appreciate it  
27 | very much. 'What you've said has, of course, been taken  
28 | down and will be in a transcript, and I'll have the  
29 | opportunity of reading it, and re-reading it, where  
30 | appropriate, in the weeks and months ahead.



