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TRANSCRIPT OF PROCEEDINGS

from the EPA, Wausau Well Field Superfund Site
public meeting held at the Wausau City Hall,
City Council Chambers, Wausau, Wisconsin, on
the 22nd day of August, 1989, commencing at 7:00
p.m. and terminating at 8:15 p.m.

A P P E A R A N C E S

SUSAN PASTOR, Moderator
Community Relations Coordinator
U.S. EPA

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U.S. EPA

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1 on the findings of the remedial investigation and she'll
2 present the cleanup alternatives that are available to us
3 to clean up the Wausau Superfund site.

4 After that we will have questions and
5 answers and at that time we'll be glad to take your
6 questions. So if you could hold them until that time, we
7 will answer everybody's questions, we're in no hurry here.

8 After that we'll have our comment period.
9 Comments will be on the feasibility study and the proposed
10 plan that Margaret will be telling you about in a little
11 bit.

12 I just want to remind you that we have a
13 court reporter here tonight taking everything down for our
14 public record. His transcript is part of our public record
15 and in that public record will be your comments. And we
16 have to respond to those comments and we put that in a
17 document called a Responsiveness Summary, which is also
18 included in our major document called the Record of
19 Decision which outlines the cleanup alternatives that will
20 ultimately be used here at the site.

21 So when we get to the comment period, it
22 will be very important for you to speak clearly so that the
23 court reporter can hear everything you say, that you
24 identify yourself, that you tell him who you are, who you
25 represent, if anyone, and maybe spell, spell your name if

1 it needs to be spelled and then give us your comments.

2 Then we'll be around after that to talk with
3 you one on one if you need to speak with us or you'd like
4 us to elaborate on any points that maybe you missed during
5 the meeting, we'll be glad to stay around for a little bit.

6 I guess there will be a council meeting
7 after our meeting, so maybe we can't stay around a long
8 time, but maybe we'll be available for a few minutes
9 afterward.

10 We have some other handouts up at the front
11 table. This is our facts sheet on this feasibility study.
12 If you got one in the mail, then you are on our mailing
13 list. So we do ask that you sign in anyway just so we can
14 keep track of who comes to our meetings and that we can
15 keep our mailing lists up to date. We do cross-check it
16 and try to keep track of everybody who's moving and
17 changing addresses and so forth. So inside, we'll talk
18 about the alternatives and maybe you'll be able to follow
19 along a little bit with Margaret as she talks.

20 There are also some handouts from the
21 Department of Health including a little summary of the
22 health assessment that was done here by the Department of
23 Health, so you may want to pick that up, as well as some of
24 their other handouts.

25 So I think I have said enough. So let's

1 have Terry Evanson come up and talk about the State's
2 involvement in this.

3 TERRY EVANSON: Good evening. My, I am a
4 hydrogeologist with the Department of Natural Resources and
5 I just want to take a few moments tonight to tell you about
6 the State's role in this Superfund process and particularly
7 in the Wausau water supply situation.

8 The Department of Natural Resources has been
9 involved in the -- what -- well water contamination case
10 here in Wausau really since the very beginning, since the
11 early 1980's, and has at every step of the way assisted,
12 either assisted the City in trying to solve the water
13 contamination case and now and then as EPA became involved
14 with the Superfund really acted as a team member with EPA
15 in the remedial investigation and the feasibility study.
16 We receive all of the reports that are produced, have the
17 opportunity to comment on those reports and are -- have an
18 integral part in the decision making that EPA, the decision
19 making process that EPA goes through in the analysis and
20 the final decision that will be, that will come about here
21 on this Wausau water supply site.

22 And so we will continue to be involved in
23 this public participation time and, as -- as Sue mentioned,
24 the Record of Decision that will be coming out which makes
25 essentially the final decision, the determination of what

1 remedial action will happen here and we will be commenting
2 on at lease part of that. And that is our role and we are
3 constantly involved with that and certainly want to be able
4 to answer your questions and be available to you for any
5 questions or observations that you want to make. And so I
6 will go ahead and turn the time over then to the next
7 speaker.

8 SUSAN PASTOR: Okay. And that next speaker
9 will be Kim Bro from the Department of Health.

10 KIM BRO: Thank you, Sue.

11 I am an environmental engineer with the
12 Wisconsin Division of Health. And we in June came out with
13 a, what is called a Preliminary Health Assessment of the
14 Superfund site here and I'd like to explain just a little
15 bit how we fit into the process along with the other
16 agencies that are here.

17 At the federal level there really are two
18 agencies, two federal agencies that have major
19 responsibilities related to the Superfund law:

20 One is the U.S. EPA and the other is an
21 agency called the Agency for Toxic Substances and Disease
22 Registry and that ATSDR is the agency through which the
23 State Division of Health is working on the health
24 assessment. So at the State level we have the DNR working
25 in concert with the EPA and the Division of Health working

1 in concert with ATSDR and the responsibilities are split up
2 such that the Division of Health addresses health, human
3 health issues associated with this site.

4 We are not responsible for determining
5 liability or determining timetables for action but rather
6 looking specifically at what is required for protecting the
7 public health.

8 The process we went through in performing
9 our preliminary health assessment which, as Sue mentioned,
10 is on a piece of paper that looks like this and is
11 available at the front, is basically going through the
12 information that has been collected on the site and
13 evaluating the physical and geographical and historical
14 conditions and looking at what the implications are for
15 human health, looking at which contaminants are of health
16 concern and identifying the pathways that -- through which
17 people may be exposed to the contaminants that are here.

18 And finally looking at what this means for
19 public health and coming out with a set of recommendations.

20 Our recommendations are provided to all the
21 people who are involved in dealing with the site, it's not
22 a specific recommendation just to EPA or to DNR or to the
23 City or to the people responsible for the contamination,
24 it's -- it's looking at the overall situation and coming
25 out with recommendations in that regard.

1 The basic pathways that are of concern here
2 are primarily the groundwater, as everybody is aware, and
3 in looking at how we clean up this problem, the air.

4 And essentially what is happening here is by
5 cleaning up the groundwater, the contaminants are being
6 removed from the water and released to the air so the
7 people in the city who drink the water are receiving
8 considerably less contamination, the water in the municipal
9 water supply fully meets the federal standards.

10 And people who are near the areas where
11 these contaminants are released into the air are subject to
12 a little bit higher exposure to chemicals than they would
13 be without the strippers nearby.

14 And essentially our recommendations, our
15 conclusions for this and recommendations are that the
16 municipal water supply with the strippers in place and the
17 proposed actions that Margaret will be describing in a
18 moment meets the requirements for a safe and healthy water
19 supply essentially.

20 But in regard to the areas where
21 contaminants are emitted from the strippers, essentially we
22 are recommending that we avoid situations where people will
23 come into contact with the higher concentrations of these.

24 And let me make clear that the, any
25 individual source involved here is meeting the air

1 standards, it's -- in particular in the east part of the
2 well field where there is several strippers in place where
3 there is a potential problem with higher levels of
4 contamination.

5 And the control alternatives that are being
6 proposed, the recommended alternative will address this by
7 essentially controlling, the second recommendation here,
8 controlling the emissions of VOC's in the area near
9 residential development. And Margaret will explain how
10 that's going to be done and the recommended alternative.

11 And then finally the -- we recommend that
12 there be some follow-up monitoring of the air in these
13 areas because the EPA has done some essentially computer
14 analyses of what the levels of contamination are in the
15 areas where these are being emitted and has determined that
16 the control proposed will be adequate. And we suggest that
17 it be followed up with some monitoring to be sure that that
18 is the case.

19 With that I want to mention that we do have
20 some fact sheets, they are blue and yellow sheets that
21 describe the two contaminants that are of primary health
22 concern at the site, tetrachloroethylene and
23 trichloroethylene.

24 Thank you. Now Margaret can give the
25 specifics.

1 MARGARET GUERRIERO: Put that back on. Good
2 evening, everyone. Thank you for coming tonight.

3 My name is Margaret Guerriero. I'm the
4 project manager with U.S. EPA for this Wausau Superfund
5 site.

6 Tonight I want to talk to you about the
7 process that we went through in analyzing the contamination
8 at this site and then evaluating what should be done here.
9 What I am going to do is go through what the findings of
10 the remedial investigation were, which is what our study --
11 which is what we call our study into contamination at
12 Superfund sites.

13 And then I am going to discuss our risk
14 assessment that we do based on the results of the remedial
15 investigation findings to determine what the problems to
16 human health and the environment are.

17 And then I am going to talk about the
18 alternatives that we developed and evaluated to address
19 those concerns that we found in the risk assessment.

20 For those of you who aren't familiar with
21 the site, this is a map of the study area. This is what
22 will be referred to as the west study area, it's the
23 municipal wells six, seven and nine, and the east study
24 area includes municipal wells two, three and four. Okay.

25 I want to quickly go through some of the

1 site history for those of you that aren't familiar with it,
2 and I just pointed out the site location.

3 History of contamination. Contaminants were
4 found in Wausau's groundwater -- or drinking water, excuse
5 me, in 1982.

6 Since that time a number of things have been
7 done at the site. The City and the Wisconsin Department of
8 Natural Resources tried to alter pumping schemes and come
9 up with some other ideas on how to rid the water or
10 eliminate the exposure of contaminants.

11 They applied for a grant to EPA. They also
12 asked EPA to come in for emergency assistance at one of the
13 wells while they were developing a design for an air
14 stripper.

15 The City installed two air strippers at the
16 drinking water -- at the water filtration plant to clean
17 drinking water before the residents receive it.

18 City well six was pumped to waste into one,
19 into a creek nearby, Bos Creek, in order to stop
20 contaminants from moving towards well -- in order to stop
21 contaminants from moving towards the clean wells north of
22 well six.

23 And Wausau Chemical on the east side
24 installed an air stripper and an extraction system to
25 remove contaminants from the source area, or one of the

1 source areas there.

2 Currently the City recently put well six
3 back on-line.

4 I am going to put my map back up there.
5 City well six, which was pumped to waste until last summer,
6 was put back on-line. The City constructed a pipe under
7 the river, it now goes directly to one of the air
8 strippers.

9 They've installed an additional well, city
10 well ten, that they now also use. And EPA has been
11 conducting and has now completed their study.

12 So that basically brings us up to the
13 current situation at the site. Okay.

14 The RI findings for the site. On the west
15 side we -- the RI showed that there was two source areas on
16 the west side and also two contaminant plumes on the west
17 side. Marathon Electric -- and the Marathon Electric
18 facility on the west side of the river is located right in
19 about this area here -- and on their property there is an
20 old city landfill that's located about here.

21 It was determined that this was a source of
22 contamination to city well six here, there was a plume
23 moving from this source to the well field.

24 It was also found that city well six
25 discharged to Bos Creek created a low level contaminant

1 plume coming from Bos Creek and discharging or infiltrating
2 back into the groundwater. That was found to be moving
3 also to well six but it was at very low levels.

4 And once city well six, the pump, the
5 discharge to Bos Creek was stopped, that plume has reduced
6 the concentration and is considered not to be a problem
7 because of the low levels and because of the fact that city
8 well six is being pumped or being stripped, pumped to the
9 air strippers, excuse me. Okay.

10 Also in this landfill it was discovered that
11 a TC plume was moving under the river to the east well
12 field to city well three. Okay.

13 Now, on the east side of the river there
14 were also two source areas identified and at least two
15 contaminant plumes identified.

16 One of the source areas, Wausau Chemical,
17 which is located in-between these two wells here, had at
18 least two spills that are known, one on the south side of
19 the building and one on the north side of the building. It
20 was determined that these two plumes were contributing to
21 the contamination in the east well field.

22 And also there was Wausau Energy, which is
23 located right here, that was a bulk oil distributor at one
24 point, was also contributing petroleum byproducts to the
25 groundwater.

1 As I mentioned, there was also a TC plume
2 moving from the landfill to well three. Okay.

3 During our study, while our study was
4 ongoing, the City notified us that they were going to, they
5 were interested in putting well six back on-line. We
6 looked at what this effect would do, this would -- or how
7 this would affect our study and the problem.

8 And we determined that an interim remedy to
9 try and protect the west well field, now that well six was
10 going to be a supply well, was -- we determined that this,
11 an interim remedy was -- would be helpful to add further
12 protection to the well field.

13 We went through the same process that we are
14 going through now where we developed a feasibility study
15 and we presented a preferred alternative at a public
16 meeting here last October and we signed a Record of
17 Decision, which is the record that explains why and how we
18 are going to do or implement a remedy for a -- we -- the
19 remedy was for an extraction and treatment system of
20 groundwater on the west side to address the TC plume that
21 was moving from the landfill to city well six. Okay.

22 That, this project is now in the design
23 phase and hopefully that will be in in the near future.

24 Okay. As I mentioned, based on the results
25 of the remedial investigation, a risk assessment is

1 performed to determine which contaminants found at the site
2 are of concern and which pathways that these or media,
3 groundwater, air, surface water, that these contaminants
4 are affecting, which ones of those are a problem of
5 exposure to residents, the public and the environment.

6 We then use that information, the results of
7 that information to develop our alternatives and evaluate
8 whether or not those alternatives will address
9 appropriately or properly those concerns.

10 For -- the contaminants of concern at this
11 site are tetrachloroethylene, trichloroethylene and
12 dichloroethylene. These are all solvents, degreaser type
13 chemicals that are widely used in industry for dry
14 cleaning, degreasing and a number of other things, they are
15 basically solvents, general purpose solvents, and these
16 were determined to be contaminants of concern at the site.

17 We looked at the routes or potential
18 routes of exposure. And it was determined that groundwater
19 is a potential route of exposure because if at some time in
20 the future a private well was installed in the area, in the
21 study area, that would be a direct route to the public for
22 contamination.

23 Drinking water is a potential route of
24 exposure because if for some reason in the future the air
25 strippers did not work, were not effective against a

1 certain level of contamination that would be added, or if
2 for some reason they were not, they were no longer used,
3 that would, that would be considered a potential route.

4 It's basically -- I don't -- we are not
5 saying here that they are a route of exposure. What we
6 look at is in the future if conditions remain the same,
7 what type, what would be a potential route of exposure.

8 Also the third route, potential route of
9 exposure was air emissions from air strippers. We did some
10 computer simulated modeling for air emissions from the
11 existing air strippers to determine whether or not they
12 were posing a risk at this time, and also to determine
13 whether or not future actions that we take will have to
14 control the emissions of volatile organics.

15 What we found was that the combination of
16 the two City strippers and the Wausau Chemical air stripper
17 creates a plume of contaminants that is well below the
18 State standards for VOC emissions but it's very close to
19 and exceeds to a small degree what we would consider a
20 comfortable risk level for VOC emissions.

21 In other words, the report showed that two
22 people in a million could contract cancer from the
23 emissions from the air strippers. EPA in general likes to,
24 likes to -- or our guidelines, I should say, are one person
25 in a million to contract cancer, that's basically how we

1 evaluate and balance risks. The -- what -- what this
2 showed us was that any future actions that we are going to
3 do here will need controls on the emissions.

4 Also as part of our evaluation of the
5 ongoing and current situation, we determined that Wausau
6 Chemical's air stripper and extraction system is not
7 effective to address the complete problem on the east side
8 so that would no longer be operating. So we feel that with
9 that air stripper turned off and with all additional
10 emissions controlled, that we would be at EPA's guidelines
11 of one person in a million at risk for cancer.

12 Okay. I think I have pretty much pointed
13 out that our objectives for the final remedy are to
14 eliminate or reduce risk to potential exposure routes.

15 In other words, to address the groundwater
16 and the air emissions is what our goal is here for the
17 final remedy.

18 The areas to be addressed are the east side
19 groundwater contamination and the east and west side source
20 areas. The -- as I mentioned, the interim remedy addressed
21 the west side contamination.

22 Okay. These are the alternatives that we
23 evaluated:

24 The first one, no action, is -- would
25 include the interim remedy but it would be no further

1 action to source areas or the east side groundwater. The
2 costs would be nothing additional. And we have estimated
3 that if we leave the situation the way it is, it would take
4 approximately 20 years to clean up groundwater on the west
5 side that's affecting the city well six and it would take
6 approximately 15 years to clean up groundwater on the east
7 sides that's affecting city well three.

8 The second alternative that we looked at was
9 groundwater extraction and treatment. It would be similar
10 to what we have as our interim remedy on the east -- on the
11 west side, but it would address the east side
12 contamination. It would also include control of the
13 emissions from any treatment that we would use.

14 This alternative was determined also to --
15 was also going to take about 20 years to clean up
16 contamination on the west side because we are not
17 addressing the west side with this alternative. And also
18 it would take about 12 years to clean up the east side.
19 And the reason that is, it seems like it's a pretty long
20 time, if you are going to implement some type of system to
21 extract groundwater, you would think it would be a little
22 quicker. But what we found in using a computer simulation
23 is that there is actually a tug of war going on between the
24 city supply well that's pumping, city well three, and the
25 extraction system that would be installed in the vicinity

1 of Wausau Chemical on the east side of the river. So it
2 essentially takes longer because there is that tug of war
3 ongoing.

4 Alternative three is a process called
5 in-situ bioreclamation. And it includes partial treatment
6 of groundwater above ground.

7 In-situ bioreclamation is a process whereby
8 bacteria is introduced into the water and it actually
9 breaks down contaminants that you introduce, they refer to
10 them as bugs, introduce bugs and nutrients that they use to
11 multiply and they use the contamination as well as actually
12 a nutrient and they break it down in the process.

13 This alternative was estimated to cost 1.7
14 million. And the cleanup time, again there was not a large
15 reduction in cleanup time for the west side because this
16 alternative is basically addressing the groundwater on the
17 east side.

18 The cleanup time on the east side was hard
19 to estimate because we really couldn't model or computer
20 simulate how long it would take for these bacteria to break
21 down the contamination. I should also mention that this
22 alternative or this process is a, is a somewhat innovative
23 process, this has not been used very often at -- to clean
24 up groundwater with these types of contaminants in them, so
25 there was a lot more uncertainty with this alternative.

1 Also it would require approximately ten years to clean up
2 the east side contamination.

3 The fourth alternative is strictly
4 bioreclamation in-situ, meaning right in the ground.
5 Instead of pumping the water out and partially treating it
6 and putting water back into the ground under alternative
7 three. Alternative four would simply be putting nutrients
8 into the ground and enhancing the breakdown of contaminants
9 from the bacteria in the groundwater.

10 Again this was, the cost of this was 1.4
11 million, it's less costly because there is not treatment
12 required above ground, and it's the same, it's a similar
13 time frame for cleanup, it's still approximately ten years
14 to clean up the east side groundwater contamination.

15 Alternative five is a -- addresses the
16 source rather than groundwater. The other alternatives
17 looked at groundwater cleanup. Alternative five which is
18 -- move it up a little bit so you can see it back there --
19 it's a source control alternative.

20 The process that we are recommending under
21 this alternative is soil vapor extraction, it's a process
22 that extracts, with a vacuum type process extracts
23 contaminants from soils before they reach groundwater and
24 cleans the emissions using a carbon system.

25 The cost of this alternative is \$750,000.00

1 And this is actually controlling the source so that no more
2 contaminants will percolate into the groundwater. And
3 continuing to pump city wells that are contaminated
4 actually reduces the time for cleanup more than pumping or
5 treating groundwater, pumping groundwater out or treating
6 groundwater in-situ.

7 The remediation. The estimated time for the
8 west side is 14 years until no more contamination would
9 reach city well six, and six years on the west -- on the
10 east side until no more contamination would reach city well
11 three.

12 Okay. In our preferred alternative, the one
13 that we are recommending is alternative number five which
14 is the source control using soil vapor extraction. This,
15 this alternative includes the remediation of three source
16 areas that we found in the remedial investigation. See if
17 I can find my map real quick.

18 Okay. That would include the landfill, the
19 Wausau Chemical property and the Wausau Energy property,
20 are the three sources where the soil vapor extraction
21 systems would be installed in the contaminated soils found
22 on-site.

23 This alternative also includes the
24 treatment of off gases from this process to prevent any
25 additional VOC or volatile organic emissions into the

1 atmosphere.

2 It includes the controlled pumping rates of
3 the affected supply wells. In other words, these wells
4 would have to continue to pump in order to remove
5 contaminants from the groundwater.

6 If they were turned off, the contaminants
7 would remain in the groundwater. And it would include
8 continued treatment of drinking water by the City's air
9 strippers until the time where it was determined that the
10 drinking water would meet drinking water standards without
11 treatment or until the time that the contaminants are
12 purged from the aquifer. The time period is very close,
13 because the levels that are acceptable are fairly low.

14 Okay. And that's it.

15 SUSAN PASTOR: Okay. We will take your
16 questions at this time. So if you want to raise your hand,
17 we will take some questions before we move into the comment
18 period.

19 WAYNE KLEINSCHMIDT: Wayne Kleinschmidt,
20 1321 East Bridge Street. Why has there been a 50 percent
21 increase in the costs for alternative five since I got your
22 bulletin?

23 MARGARET GUERRIERO: Okay. At the time that
24 we put out the fact sheet, we did not include the operation
25 and maintenance of the City's air strippers and pumping of

1 those wells.

2 We have since included those in the cost
3 because we determined that it would have to be part of the
4 remedy, that those wells would have to continue to pump.

5 BRUCE CUTRIGHT: Bruce Cutright representing
6 the City of Wausau.

7 Margaret, the air quality monitors, is that
8 included in the RI?

9 MARGARET GUERRIERO: No, it's not. It is in
10 the administrative record for the site which is in the
11 repository if you need a copy of it, it's something we did
12 in-house, EPA did it. And we do intend to do another
13 modeling effort with Wausau Chemical's air strippers turned
14 off.

15 BRUCE CUTRIGHT: That would be useful
16 information to have access to.

17 MARGARET GUERRIERO: Okay.

18 BRUCE CUTRIGHT: I have another question for
19 Kim Bro, if you don't mind.

20 Kim, can you comment on the treatment of
21 trichloroethylene and tetrachloroethylene in sunlight? As
22 we understand it they break down rather rapidly.

23 KIM BRO: The question was about what
24 happens to trichloroethylene and tetrachloroethylene once
25 they get into the atmosphere.

1 And it's correct, photolysis it's called,
2 it's sunlight breakdown of these products, is one way that
3 those things break down. So the area of concern there is
4 immediately downwind or immediately next to the VOC
5 strippers, these contaminants not only break down but they
6 also dissipate relatively quickly. And so the basic issue
7 with these things is to try to wherever possible to reduce
8 overall exposure to them. But they, the long-term effect
9 of dispersing them and having them break down in the
10 atmosphere is a sound one.

11 BRUCE CUTRIGHT: Are you able to identify
12 the distance to the closest receptor --

13 KIM BRO: -- according to the remedial
14 investigation, the area of maximum contamination it seems
15 to me was about seven hundred fifty to two thousand feet
16 away from the source. So it is, it is within a distance
17 where there are residences.

18 BRUCE CUTRIGHT: Is that at ground level?

19 KIM BRO: The ground level receptors, that
20 was in the -- in the remedial investigation

21 BRUCE CUTRIGHT: Thank you.

22 JOSEPH PRIBANICH: Joe Pribanich, 423 North
23 Seventh. Before you leave, Kim, one question.

24 KIM BRO: Sure.

25 JOSEPH PRIBANICH: You said long term, what

1 are we talking about, 20 years, 30 years, as far as
2 exposure to this type of chemicals, the vapors I mean?

3 KIM BRO: Right. The question was how long,
4 essentially how long does one have to be exposed to these
5 chemicals or how long --

6 JOSEPH PRIBANICH: -- how long does one have
7 to be exposed to those concentrations of vapors to arrive
8 at a two cancer deaths in a million people?

9 KIM BRO: Okay. Essentially, okay, the
10 question is how long would somebody have to be exposed to
11 these things to get the risk level that was reported in the
12 remedial investigation.

13 And these estimations are based on a series
14 of assumptions, one of which is that people will be exposed
15 to these for a lifetime. Lifetime is typically something
16 like 70 years.

17 What has to be kept in mind in looking at
18 these things is that dealing with chemical contaminants
19 such as these, there is a lot of uncertainty, and
20 essentially what is done coming up with these numbers is an
21 extrapolation from effects on laboratory animals.

22 We know, for example, that these things
23 cause cancer in laboratory animals. We don't know exactly
24 what their effects are in people. We don't have the
25 studies to justify that.

1 So in light of that, the basic position we
2 take is where it's possible to reduce exposure, move in
3 that direction, where it's possible and practical to reduce
4 exposure move in that direction and use the numbers as more
5 of a relative index of effects.

6 JOE GEHIN: Joe Gehin with the City.

7 If, that's the case, how would you compare
8 that to a dry cleaning operation? Typically in the City of
9 Wausau those end up being right in the heart of a
10 residential area, so that people have some perspective,
11 what would be the exposure in that setting versus the air
12 stripping emission setting, or getting struck by lightning?

13 KIM BRO: Right. There are several ways
14 that these -- it's explained in the fact sheets on these
15 chemicals, what some of the typical ways that people are
16 exposed to these.

17 So, for example, somebody who works in a dry
18 cleaning establishment would be exposed to much higher
19 levels of the chemicals because they are working with them.

20 Somebody who regularly works with degreasing
21 solvents, for example, would normally receive higher
22 concentrations than what somebody living in a residence is.

23 And basically our position is that in terms
24 of protecting the general public we move towards a position
25 of safety because there are several people, there are young

1 people, there are elderly people, they are infirmed people,
2 who live in residences as opposed to people who are working
3 in a place of business for eight hours a day compared to
4 other people who may be living in a home for 24 hours a
5 day.

6 WAYNE KLEINSCHMIDT: Basically what you are
7 saying is the EPA has succumbed to the threshold theory as
8 opposed to, as opposed to the silver bullet theory.

9 The silver bullet theory, in case you are
10 not familiar with this, is that one molecule will initiate
11 it, and there is such a theory.

12 KIM BRO: Okay, so the point is is there a
13 safe level?

14 WAYNE KLEINSCHMIDT: Right. And nobody has
15 really determined that.

16 These two theories are up for grabs:

17 The silver bullet versus the threshold.
18 From what I hear you telling me, you're following the route
19 of the threshold theory at this point?

20 KIM BRO: Essentially.

21 WAYNE KLEINSCHMIDT: Based on type of
22 physiology, a person's age, et cetera, et cetera?

23 KIM BRO: Right. So your point is that
24 because we don't know if there is such a thing as level of
25 these contaminants where nobody is going to get cancer --

1 WAYNE KLEINSCHMIDT: -- don't know --

2 KIM BRO: And then the question is, is there
3 a level --

4 WAYNE KLEINSCHMIDT: -- right --

5 KIM BRO: -- where essentially you can't
6 tell the difference, where there may be some people getting
7 cancer but you can't tell the difference.

8 WAYNE KLEINSCHMIDT: You won't allow one
9 single molecule but obviously that's impossible.

10 KIM BRO: Right, so it's a question of what
11 is a reasonable level of safety.

12 LINDA PRIBANICH: Linda Pribanich, 423 North
13 Seventh Avenue.

14 My questions are about the VOC removal from
15 the soil. If this stripper has been in place for almost
16 five years, I assume it was done sort of in concert with
17 the DNR, with the federal grants.

18 How could it be that this has been in place
19 for five years and to my knowledge no one has been
20 disturbed about the air emissions from the VOC at the water
21 treatment plant?

22 This is a real shock to me that this is a
23 major health concern.

24 Number two, if you're going to be sucking
25 VOC's out of the soil, where are you going to be taking

1 this to a safe place to dissipate it into the air?

2 Will that be dissipated on site?

3 Now we got VOC's emitted into the air on the
4 west side, or put it in a bag and take it out to the Rocky
5 Mountains or where? Where are they safe to be put into the
6 air?

7 MARGARET GUERRIERO: Okay.

8 LINDA PRIBANICH: It's a serious question.

9 MARGARET GUERRIERO: All right.

10 To answer your first question, the Wisconsin
11 standards for air for VOC emissions are, I think it's 21
12 pounds per day for VOC, or TC, I am not sure of the exact
13 numbers, but air strippers are well below that.

14 The air strippers have never violated the
15 Wisconsin air quality regulations.

16 In -- what we do in Superfund is look at
17 risk levels for what the cancer risk in one in a million
18 people are and we call that number our, what we feel
19 comfortable as our guideline number that we work with when
20 we look at what the site, what the site should be cleaned
21 up to, what are risks at the site as it exists. It's a
22 number that is based on exposure to contaminants over a,
23 over a lifetime.

24 I think Kim discussed a little bit about how
25 those numbers are arrived at, but it's a lot different from

1 meeting air quality standards that the DNR puts out, okay.

2 So it's -- is that --

3 LINDA PRIBANICH: -- well, the other thing
4 is are you removing the VOC's from the soil?

5 MARGARET GUERRIERO: Okay, let me answer
6 number two.

7 What we are proposing with the VOC's from
8 the soils, we are going to be absorbing those, the off
9 gases, as they are referred to, on carbon, activated carbon
10 units. What happens is that the contaminants go from the
11 air onto the carbon and the carbon is incinerated and
12 regenerated so that it can be used again but in the process
13 the contaminants are incinerated and broke down so that
14 they are no longer hazardous so that emissions will not be
15 let out somewhere else.

16 LINDA PRIBANICH: The point being you don't
17 want any other VOC's to kind of leak into the water
18 underneath the soil or contaminate soil, they are worried
19 about --

20 MARGARET GUERRIERO: -- the problem -- the
21 reason we are doing the, removing the volatiles from the
22 soil is because, is to prevent them from going into the
23 groundwater.

24 LINDA PRIBANICHH: Into the water?

25 MARGARET GUERRIERO: Right, which is the

1 exposure route, the route of exposure is through
2 groundwater, not through the soil. But if you remove them
3 from the soil before they reach the groundwater, it's a lot
4 quicker, it's a lot less costly.

5 LINDA PRIBANICH: Even though our drinking
6 water's not contaminated and the VOC's emitted into the air
7 are under the safety standards for VOC emissions, I don't
8 really see what the problem is.

9 To me number one seems like a wonderful
10 idea, since we're drinking safe water, there is no proven
11 contamination or to other biota in the area, not even
12 human, really I can't even see why we need to go through
13 all that when there is nothing to be gained because our
14 water is already safe technically?

15 MARGARET GUERRIERO: Well, that's one
16 perspective.

17 But I think you need to realize that we are
18 not, you know, in the business of writing off groundwater
19 sources of drinking water aquifers. We do have a policy
20 that -- and it actually will be promulgated as law, that we
21 need to take certain steps for contaminated groundwater,
22 that we can't just leave contaminated groundwater there if
23 it is the sole source of drinking water and if it is a
24 currently used drinking water. Okay. So that's one thing.

25 The other thing is if you consider the

1 amount of money that you spend in stripping your water and
2 how long you would have to be stripping that water, you may
3 find that the cost to remediate the problem at the source
4 is cheaper in the long run.

5 LINDA PRIBANICH: Are you saying with
6 alternative five you -- we would eventually not have to
7 strip our water?

8 MARGARET GUERRIERO: Right.

9 LINDA PRIBANICH: How long?

10 MARGARET GUERRIERO: The estimate for having
11 to treat well six until all contaminants are removed from
12 the aquifer was 12 years. I think it's 12 years. And then
13 on the east side it would be six years that you would have
14 to treat well three.

15 SUSAN PASTOR: Okay.

16 JOE PRIBANICH: Joe Pribanich again, 423
17 North Seventh Avenue.

18 What's the cost difference between, on
19 alternative number five between treating the air with the
20 activated charcoal and not treating the air, have you
21 figured that out, have you looked at that?

22 MARGARET GUERRIERO: It is figured out and I
23 could probably get you a cost figure in a few minutes.

24 It's -- it's --

25 JOE PRIBANICH: -- is it substantial,

1 talking about hundreds of thousands of dollars here?

2 MARGARET GUERRIERO: No, I think it's
3 probably around \$60,000.00.

4 JOE PRIBANICH: Okay.

5 MARGARET GUERRIERO: And I am not sure of
6 that number. Does anybody know offhand?

7 JAMES LONSDORF: Talking about per year?

8 MARGARET GUERRIERO: Right, but the soil
9 vapor extraction is estimated only to have to be operated
10 for two years.

11 SUSAN PASTOR: Take a minute to get this.
12 Would you want to just keep doing questions?

13 MARGARET GUERRIERO: Yes.

14 SUSAN PASTOR: We will do some more
15 questions while they're flipping pages. Anybody else want
16 to ask a question?

17 This gentleman right here.

18 KEN JAECKS: My name is Ken Jaecks. I am
19 from the City of Wausau.

20 Do I understand right that if nothing is
21 done, two people out of a million could contact cancer, two
22 people in a million could contact cancer if nothing is done
23 with the water?

24 MARGARET GUERRIERO: No, that was the number
25 that was given for the air emissions.

1 KEN JAECKS: Oh, from the air, okay.

2 Now I have a question. Now this is, I am
3 trying to make this comparable. Wouldn't it be right to
4 say that more people in a million would contract cancer from
5 the sun's rays than from the fumes that are put out from
6 this water?

7 SUSAN PASTOR: Do you want to field that
8 one?

9 MARGARET GUERRIERO: I don't think I can
10 answer that.

11 KIM BRO: The question was aren't there
12 other sources of cancer such as the sun's rays that can
13 cause a lot more, a higher incidence of cancer than what
14 one would get from exposure, for example, to the emissions
15 into the air from the strippers?

16 And there are several different sources of
17 cancer and it's possible that the sun's rays in general
18 would, on the average would be causing more.

19 The basic issue, though, is how do you, how
20 do you avoid creating more sources of cancer for people.
21 If there are ways you can reduce emissions, how do you do
22 that most effectively. There are many sources of cancer,
23 the sunlight is one of them, but the basic issue in looking
24 at these numbers is how can we move in such a way that we
25 reduce exposure.

1 KEN JAECKS: I have one more question.
2 Would it be possible that rural water on an individual
3 well, say on a farm or in an area where they grow like a
4 lot of potatoes or use a lot of fertilizers, would their
5 water be at greater risk to pro -- cause cancer in a person
6 than ours by getting it out of a well and having the
7 dumpings from the chemicals and from the dumpings from the
8 landfill and the other three sources, would there be as
9 great a possibility that these people could contract cancer
10 in their own drinking water as it would be in the city
11 supply?.

12 KIM BRO: Okay. The question was would
13 people who have their own private water supplies have -- in
14 particular such as people who work, who live in farm areas
15 where pesticides are applied, have a greater risk than that
16 in the city and that would depend on whether they have
17 pesticides that cause cancer in their water?

18 Certainly you can't say that on the average
19 rural people have more contaminants in their water than
20 that in the city, you cannot say that.

21 KEN JAECKS: Now, you are from the State
22 Health.

23 KIM BRO: Right, with the State Division of
24 Health.

25 KEN JAECKS: Do they not at times test rural

1 areas to find the, particularly around Plover and Stevens
2 Point where they had a big problem, wouldn't that chemical
3 at that particular time give them a bigger risk?

4 KIM BRO: There are -- okay. The question
5 was, aren't there some places where, where there are higher
6 risks?

7 And the answer is yes, there are wells
8 around the State where there are higher risks.

9 Essentially the policy for private water
10 supplies in the State is set according to the standard of
11 one in a million risk using the standardized method that
12 the EPA uses, so from that standpoint a one in a million
13 risk is considered too much as the State policy and in
14 looking at people's water wells and trying to maintain the
15 quality.

16 SUSAN PASTOR: Yes, ma'am.

17 AMY SANTART: Amy Santart, I am from the
18 Town of Rib Mountain.

19 I have a question regarding that as a
20 pregnant woman is that cancer risk, can that be
21 extrapolated at all for the unborn or is that for adults or
22 what levels?

23 KIM BRO: Okay. Again let me emphasize --
24 the question was for a woman, for example, who is pregnant
25 and worried about the effects of contaminants on the

1 unborn?

2 There are several different types of effects
3 that chemicals can have and some of those are described in
4 the facts sheets, cancer is just one. And in this case we
5 are dealing with a lot of uncertainties because it's based
6 on studies on laboratory animals who have been exposed for
7 their whole lifetime, in this case it might be two or three
8 years, and then trying to guess what does this mean for
9 people who might be exposed for a whole lifetime.

10 When it comes to potential developmental
11 effects or reproductive effects, those that have been
12 observed in laboratory animals occur at much higher levels
13 than what we see for the cancer effects.

14 So for anything we know about those effects,
15 they occur at much higher concentrations than what we see
16 for the cancer effects. And from what we know right now,
17 we -- that is not a concern at this site.

18 The basic issue is how much do we not know
19 and that's where we come out with the position that where
20 it's possible to reduce exposure, that is the safe route to
21 take.

22 BRUCE CUTRIGHT: I have one more question
23 for Kim if you don't mind.

24 I think there is some confusion over the
25 different risk factors that have been discussed. Let me be

1 sure I understand it.

2 In general it's the EPA's policy that a
3 solution that arrives at a remedy that is within the one in
4 ten thousand to one in one million is an acceptable policy,
5 acceptable remedy, and that at the present time there is a
6 risk less than the one in a million risk of drinking the
7 City of Wausau water supply.

8 At the same time, the risk associated with
9 air concerns, and these I am going to have to summarize to
10 be sure I know what you are talking about because I haven't
11 been able to see the documents, but those air risk concerns
12 were calculated based on the air strippers on wells three
13 and four operating full blast, the air strippers on Wausau
14 Chemical's groundwater extraction system operating full
15 blast, and the air strippers operating at the soil vapor
16 extraction system; is that correct?

17 MARGARET GUERRIERO: No, that was not.

18 BRUCE CUTRIGHT: Soil extraction was not
19 included?

20 MARGARET GUERRIERO: No.

21 BRUCE CUTRIGHT: Given the first two that I
22 discussed, a cumulative risk associated with that was two
23 in one million?

24 MARGARET GUERRIERO: Right. And actually
25 you make a good point, that when it was modeled it was

1 assumed that the air strippers were on full blast and
2 continuous loading of a certain level of contaminants, so
3 it was a conservative estimate.

4 And I think the fact that it shows that it
5 does fall within EPA's guidelines for risk, in actuality
6 with Wausau Chemical's system in the future not operating,
7 that one in one million risk level is approximately, and we
8 will do further modeling to verify this, and also it's been
9 recommended that we do sampling within the area of that
10 plume, the simulated plume of air contamination would
11 affect -- I lost my train of thought.

12 Anyway, it was a conservative modeling
13 effort. I think the fact that the City's, the emissions
14 from the City's air strippers are still meeting this, our
15 guideline of risk is a positive sign for the air strippers,
16 that they are not causing an unacceptable risk.

17 BRUCE CUTRIGHT: And then I have one more
18 thing I want to clarify.

19 These risk calculations are based on
20 exposure to those peak concentrations over a 70 year
21 lifetime and because the air stripper has only been
22 operating the last four years, that that risk has not
23 accumulated to the two in one million level yet, so we are
24 still below the one in one million risk level under even a
25 conservative estimate; is that correct?

1 KIM BRO: The comment was the air strippers
2 have not been operating for a person's whole lifetime and
3 therefore the basis for these risk numbers had not been
4 met, meaning that we can't take a fraction of a million
5 people and then say that that many in the Wausau area will
6 contract cancer as a result of this, we cannot say those
7 kinds of things.

8 And in general it's important to keep in
9 mind that how long people are exposed to these chemicals is
10 an important consideration and essentially the remediation
11 alternative that has been proposed greatly reduces the
12 amount of time that these chemicals are available for
13 people to be exposed to them. So there are two things.
14 One is the length of time, as a result of remediation the
15 length of time that people might be exposed is considerably
16 less.

17 The other thing is that the number of people
18 who might be exposed is also very, very much reduced. We
19 are not talking about the whole city water supply anymore
20 and everybody who uses it because that's being cleaned by
21 the strippers.

22 Instead, the area is focused on a very much
23 more, much smaller group of people who live near the
24 strippers and that would be for a short period of time so
25 it definitely reduces the amount of exposure.

1 JOE GEHIN: I think you also make the
2 assumption that the strippers are ground level and I
3 understand Michelle making comments the emission was around
4 20, actually since the towers are higher than 25 feet I
5 think the emissions are closer to 75, actually 75 pounds
6 per day or per hour, I am not sure which way it is, and our
7 towers are 45 feet off the ground, I don't think that's
8 been factored in either.

9 KIM BRO: In the remedial investigation they
10 did take into account the height of the stripping towers
11 but they also, again it was a, what one might call a
12 conservative estimate. So if you assume that the people
13 are always downwind and that the wind is always blowing at
14 such a rate that you could get the highest concentrations,
15 then you get these higher numbers. So there are lots of
16 variables that would likely make the exposure less.

17 When the wind's blowing in a direction that
18 isn't toward people, it dissipates, there is less exposure;
19 and when the wind's blowing faster it disperses much more
20 readily.

21 SUSAN PASTOR: Any more questions? Okay.
22 Then we will move into our comment period.

23 The comment period works a little bit
24 differently than the questions and answers so it's very
25 important when you stand up and you want to give a comment,

1 first of all, raise your hand, I will call on you and when
2 you give that comment you can state your name again for the
3 court reporter, this time maybe you can spell it if it's a
4 tricky name so he can get it down correctly. And state
5 your comments in the form of a comment, not a question,
6 because we need to respond in our document later on to
7 comments and we aren't able to answer questions in that
8 document.

9 So if you have questions later on that we
10 need to go back to, we can be around for a few minutes and
11 do that but you need to state your comments in the form of
12 a comment. So with that let's start the comment period.
13 Who has a comment? Who would like to go first?

14 DAVE EISENREICH: I will. May I use this?

15 SUSAN PASTOR: Yes. And speak clearly so
16 the court reporter can hear you.

17 DAVE EISENREICH: My name is Dave
18 Eisenreich, I'm vice-president of administration at
19 Marathon Electric.

20 One of my responsibilities is the
21 coordinating of the Superfund activities as it relates to
22 Marathon Electric.

23 Marathon Electric has been involved in this
24 matter for some time now. Our principal effort has been
25 aimed at seeking constructive solutions to the groundwater

1 problem that was found in the City of Wausau. To that end
2 we and the City early on conducted a large scale study of
3 soil and groundwater conditions on the west side of the
4 Wisconsin River.

5 Our share of this study cost well in excess
6 of a hundred thousand dollars and developed valuable data I
7 think which helped us in understanding the scope of the
8 groundwater contamination problem on that side of the
9 river. We also passed that information on to the
10 Department of Natural Resources and to the EPA.

11 In addition, in 1987 Marathon Electric and
12 the City jointly proposed to the agency the installation of
13 an extraction well to remove contaminants. We are awaiting
14 final approval from EPA of our plans for that well and hope
15 to move forward quickly once approval is obtained with the
16 actual installation so that pumping can begin before the
17 winter season.

18 The cost of the extraction well project is
19 substantial, as you might imagine, and when combined with
20 Marathon Electric expenditures previously made on this
21 Superfund project, will total in excess of \$850,000.00.

22 Marathon Electric also has been working
23 cooperatively with the EPA and the DNR toward the final
24 resolution of this problem.

25 While we've not had an opportunity to go

1 over in detail the proposed feasibility study and the
2 proposed remedy, we are encouraged and support the agency
3 in its proposed practical solution to the remaining soil
4 contamination issues.

5 Wausau Chemical, the City and Marathon
6 Electric have joined together in an effort to negotiate an
7 agreement with EPA and DNR under which this group would
8 perform the remedial work that Margaret has referred to
9 earlier.

10 Our group, however, faces significant issues
11 such as the high costs associated with the work done by
12 Warzyn for the EPA, which we understand to be in excess of
13 one million dollars, and the lack of participation in the
14 group by all the potentially responsible companies.

15 Marathon Electric in conjunction with the
16 City and Wausau Chemical intends to voluntarily work with
17 the EPA and the State in hopefully resolving these issues
18 and reaching final agreement in this matter.

19 Thank you.

20 SUSAN PASTOR: Okay. Who -- the gentleman
21 in the back.

22 JAMES CHERWINKA: My name is Jim Cherwinka
23 and I'm president of Wausau Chemical Corporation.

24 Wausau Chemical has been actively addressing
25 the problem of solvent contamination on its property since

1 a solvent spill occurred in September of 1983. At that
2 time a fitting on a storage tank broke during cold weather
3 and a solvent was released.

4 Some of the solvent was immediately
5 recovered from the frozen surface of the ground and the
6 snow cover. In cooperation with the Wisconsin DNR, Wausau
7 Chemical Corporation undertook an investigation of the
8 extent of the contamination remaining and in the spring of
9 1984 dismantled the tank storage area and removed a
10 thousand cubic yards of contaminated soil.

11 As a result of the further investigations
12 Wausau Chemical installed a groundwater extraction system
13 in October of 1985 to address the solvent contamination of
14 the groundwater in the area of, area of a former storage
15 tank.

16 After being winterized the system has been
17 in operation nearly continuously since June of 1986. This
18 system is currently removing about one and a half pounds of
19 solvent per day. We estimate that the extractor has
20 removed nearly 2000 pounds of solvents since its startup.

21 Wausau Chemical has invested significant
22 time and financial resources in its cleanup efforts. My
23 company has incurred costs in excess of \$750,000.00 to
24 investigate and remove solvent compounds from the
25 environment.

1 Wausau Chemical believes that the proposed
2 plan to accomplish final remediation of the Wausau well
3 field both as a whole and as to Wausau Chemical's own
4 facility is a sound approach.

5 We will continue to study the specific
6 technical and financial aspects of the plan for possible
7 future comment.

8 Wausau Chemical is committed to its
9 responsibilities to deal with the impacts of its operation
10 on the environment. It is hoped that the proposed work
11 plan will be adopted by the EPA and that the responsible
12 parties, including Wausau Chemical Corporation, can work
13 together to implement these actions in a cooperative and
14 cost efficient manner.

15 SUSAN PASTOR: Another comment?

16 WAYNE KLEINSCHMIDT: My name is Wayne
17 Kleinschmidt. I am president of the City Council.

18 I would like to make my comments in light of
19 the assumptions that were given up here by both the DNR and
20 the EPA.

21 I would like you to know that there are a
22 lot of noted authorities throughout this country that do
23 not agree with the theory that -- that you have heard
24 expressed up here, namely, the threshold theory, and there
25 is a lot of dispute as to, you know, who is right. So take

1 my comments in light of what they have said.

2 Members of the EPA, DNR and other concerned
3 individuals. Speaking both as a citizen and as a city
4 councilman, I concur with the EPA choice of alternative
5 five as the cleanup solution. I feel this is a prudent
6 approach that will best address the cleanup problem and yet
7 not bankrupt the community, provided these estimated costs
8 that we've heard don't escalate out of sight.

9 SUSAN PASTOR: Okay. Yes, sir.

10 JOHN ROBINSON: My name is John Robinson, I
11 am the mayor of the City of Wausau. I appreciate the
12 opportunity to comment tonight and to appear in support of
13 the Environmental Protection Agency's recommended remedial
14 action as outlined in the feasibility study option number
15 five as later modified.

16 Unfortunately, the price went up to reflect
17 the cost of the operation of the air strippers at the --
18 for wells three and six.

19 Also reflect a little bit upon the site.
20 The site developed problems back in 1982 when a resident
21 took his drinking water from home and had it tested and
22 found contaminants in the site.

23 Subsequent to that the City of Wausau began
24 to take action to minimize the effect on the public's
25 health and safety through a variety of methods, which

1 included shutting down wells, blending of wells, using
2 granulated activated carbons to treat the water, using air
3 strippers in conjunction with the grant from the
4 Environmental Protection Agency, completing a river
5 crossing from the west side to the east side to allow us to
6 treat contaminated wells on the west side and the
7 installation of well number ten.

8 Through that process of hiring attorneys,
9 consultants in the taking of these measures, the City has
10 spent in excess of 2.5 million dollars. So when you talk
11 tonight about the need to spend an additional \$738,000.00,
12 you need to think of that in terms of the eight hundred
13 thousand that has been spent by Marathon Electric, the
14 seven hundred fifty thousand spent by Wausau Chemical, and
15 2.5 million expended to make sure that the drinking water
16 in this area is safe to the public. And that's always been
17 one of our concerns and we have always met those standards.

18 Unfortunately, the group of potentially
19 responsible parties could not agree back in 1987, which
20 resulted in the Environmental Protection Agency stepping up
21 its role in this process and that expanded role included
22 the selection of a consultant, namely Warzyn, who we
23 continue to have concerns over the quality or the process
24 under which that consultant was chosen and the costs
25 surrounding that.

1 In addition to the costs that we've incurred
2 and the costs that have been outlined tonight, the
3 responsible parties face the likelihood of having to divide
4 up an additional 1.8 million dollars of EPA and DNR
5 oversight costs which are associated with the Warzyn study,
6 work done by DNR and by the EPA staff, which those figures
7 have not been thrown out tonight.

8 So while we are supportive of those efforts,
9 we are concerned about those costs, the impact those have
10 upon the efforts of the group to clean up, those costs
11 resulted in the group breaking up back in 1987. We are
12 also hopeful that the Environmental Protection Agency uses
13 due diligence to make sure that all potential responsible
14 parties including Wausau Energy are included in whatever
15 remedial action and orders come out of this and are
16 involved in consent decree negotiations.

17 We are supportive of option number five.
18 Our preference would be option number one, recognizing that
19 we have done a lot to date, but recognizing it's very
20 difficult for the EPA to make that recommendation in light
21 of some of the public health concerns that have been
22 expressed.

23 SUSAN PASTOR: Does someone else have a
24 comment they would like to make?

25 Okay. Well, if no one else would like to

1 make a comment at this time we will close the comment
2 period.

3 I just want to remind you all that you can
4 mail your comments to EPA, you can send them to me, the
5 address and the phone number and everything you need is on
6 your agenda and your fact sheet. Please have them
7 postmarked by September 12 so we have ample time to respond
8 to those comments and they will be a part of our public
9 record, just like your oral comments were here tonight.

10 If you need more time to look over some
11 documentation, we have information repositories which are
12 just notebooks and a compilation of documents put together.
13 One is at the Marathon County Public Library, one is right
14 here at the City Hall and the clerk can help you here or a
15 reference librarian can help you there.

16 So if you'd like to look at the entire
17 feasibility study, proposed plan or remedial investigation
18 or anything else that happened during our work during the
19 past couple of years, that is all available to you here and
20 you may use those documents to comment on as well.

21 Otherwise we will adjourn the meeting then
22 and I guess there is a council meeting here as soon as we
23 can clear our things away. And we thank you for coming.

24 (Whereupon, the proceedings terminated).

25

