

Minnesota Pollution Control Agency Public Meeting - 5/19/2011
Remedial Investigation of UMore Park East

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MINNESOTA POLLUTION CONTROL AGENCY
University of Minnesota
Remedial Investigation of UMore Park East
Dakota County, Minnesota

Public Meeting

May 19, 2011

6:00 p.m.

Rosemount Community Center
13885 South Robert Trail
Rosemount, Minnesota

Speakers: Gary Krueger
Minnesota Pollution Control Agency

Janet Dalglish
University of Minnesota
Allan Gebhard
Barr Engineering

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2 MR. KRUEGER: Good evening. I just
3 wanted to thank you for coming out tonight. It's
4 a nice night. There are a lot of other community
5 activities going on, so we appreciate you coming
6 and hearing more about the planned investigation
7 that the University will be doing in the UMore
8 East area.

9 My name is Gary Krueger, and I'm
10 with the Minnesota Pollution Control Agency. I'm
11 a project manager in the Superfund Program, and
12 what Superfund is is the program that oversees or
13 does investigations at old industrial sites,
14 identifying contamination issues and looking at
15 what type of cleanup actions may be needed.

16 What the University is planning to
17 do and what we're going to hear a little bit more
18 detail about tonight is the remedial
19 investigation that's going to be conducted in the
20 UMore East area. I just wanted to -- what the
21 University is going to be focusing on in this
22 study area is pretty much the area outlined in
23 red. The western part is the University UMore
24 Mining Area, that's been evaluated or looked at.
25 The southern part is Vermillion Highlands.

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1 That's right now managed by the University and
2 the DNR, and the primary study area that the
3 University is looking at now, plan to investigate
4 this summer, again, is that red area. Most of
5 that area is -- was the old Gopher Ordnance
6 Plant, and I think Gopher Ordnance, again, was an
7 old Army ammunition plant -- or planned to be an
8 Army ammunition plant that was built and got up
9 and running for only a short period of time back
10 near the end of World War II.

11 So what the University is planning
12 to do is conduct some soil testing and
13 groundwater testing in that area, look at areas
14 of where there may be contamination issues and
15 try and identify what type of contamination is
16 there and identify what may need to be done down
17 the road. Again, part of that, an important part
18 that, called the Superfund process, is community
19 involvement, as we're doing tonight, community
20 meetings, getting your input and your comments on
21 what the University is planning to do. Down the
22 road, once this investigation is done, take a
23 look at what the results are, what our findings
24 are, identify what maybe what data gaps there are
25 and start to focus in more on what may be needed

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1 as far as cleanup down the road.

2 My role in this process is to
3 review -- it's, basically, an oversight role,
4 review and approve of what the University is
5 planning to do. So they prepare the work plans
6 and sampling plans. We, at the MPCA, take a look
7 at that, comment and review and approve and maybe
8 make adjustments to that plan so that it meets
9 our requirements for the Superfund investigation.

10 We want to take your comments on
11 that, we want to take your input on what the
12 University is planning to do. The University, --
13 at the front table you'll see these comments
14 forms. You can fill those out tonight and hand
15 them into the front desk up there, or my name and
16 address is on there, you can send them to me or
17 any other communication you can submit to me, my
18 attention. We'll take a look at those comments
19 and take those into consideration when we review
20 and ultimately final approve the work plan.

21 Again, our role is an oversight
22 role. The University is working very
23 cooperatively to conduct this investigation. We
24 have great partners in this, especially with
25 Dakota County. I want to recognize Dakota County

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1 staff that has been a valuable research and
2 partner to this investigation, Jill Trescott,
3 Dakota County. They're a valuable resource and
4 great knowledge, they have knowledge of history
5 of this site and moving forward on the
6 investigation.

7 As I said, I think we'll have the
8 University of Minnesota staff come up. Janet
9 Dalglish is the project manager at the
10 University, give a little more background, and
11 then we'll turn over to Barr Engineering, who is
12 the environmental consultant that is preparing
13 the work and will do the work at the site.

14 We'll be around after the brief
15 presentation. We'd like to get through the
16 presentation and then have time for questions and
17 answer afterwards. We'll stay as long as we
18 need. If you want more in-depth questions or
19 want to discuss anything more directly with me,
20 I'll be here after the meeting, and I can
21 certainly do that. Again, the comment forms are
22 available at the front table or you can send
23 those to my attention.

24 With that, we'll turn it over to
25 Janet.

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1 MS. DALGLEISH: Hello. I want to
2 welcome you all. I'm also from the University,
3 and I want to let you know that the University is
4 very committed to this project, and today we have
5 with us Craig Moody, who is the Director of
6 Health and Safety, and he's the person that I
7 report directly to. There's Leslie Krueger,
8 Chief of Staff, University of Services, and Tim
9 Busse, Director of Communications, and I'm really
10 glad that they're here and can help support this
11 process.

12 I started to tell you that the
13 University is excited to be conducting this
14 investigation. I thought twice, because I
15 realized that Jim Eidem and I are environmental
16 scientists, and we're excited to conduct this
17 investigation. But the University is very
18 committed to it, and we want to conduct a
19 comprehensive remedial investigation that looks
20 at the Gopher Ordnance Works and the post Gopher
21 Ordnance Works period, period of time.

22 We have worked very hard to gather
23 as much data as possible, and Barr and their team
24 have done an exceptional job of sifting through
25 thousands of pages of reports and documents,

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1 historical documents from the as well as all of
2 the tenant records that we could find, and we had
3 people like Kathy Boudreau who was just like
4 pulling tenant records out of the walls, and
5 everyone has done a very cooperative job in terms
6 of bringing this all together and bringing as
7 much data to the table as possible, and now we're
8 taking that data, and we're ready to go and
9 investigate the site.

10 We have looked at all the
11 possibilities, we have looked at how best can we
12 get the most data and information for the dollars
13 that we have to spend; and so I just want you to
14 know that we ae being looking at areas across all
15 of the Eastern UMore Park area, and we're going
16 to do our best to find as much as possible by the
17 end of this year, and we will have a data report
18 that will be public and will be on our Web site
19 at the end of the process; and from that process
20 then we're going to also look at what we don't
21 know and where we'll have to go from there.

22 So I welcome you, and I'm going to
23 let Al Gebhard, who is the principal from Barr
24 Engineering, who is working on this, and senior
25 vice-president, and he was also president when I

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1 was working there.

2 MR. GEBHARD: Thanks, Janet. I'll
3 try to use this microphone, if I can, so I can
4 use my hands to change the slides.

5 My name is Al Gebhard. I'm a civil
6 engineer for Barr Engineering Company. Speaking
7 for Barr Engineering Company, we are very excited
8 about this project and excited to be selected by
9 the University to study a site that has this kind
10 of history and this kind of importance to the
11 area, to the region, to the area and to the
12 University of Minnesota.

13 As was explained, the study area
14 that we're tackling here is outlined in red. At
15 least --

16 UNIDENTIFIED MAN: Al, sorry to
17 interrupt.

18 MR. GEBHARD: You can't hear me?
19 I'll speak up. Is that better?

20 UNIDENTIFIED MAN: Can you guys
21 hear him?

22 MR. GEBHARD: Can you hear me?

23 UNIDENTIFIED MAN IN AUDIENCE: No.

24 (Discussion off the record.)

25 MR. GEBHARD: Thanks, Jim. Is this

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1 better? Okay.

2 The area that we're studying here
3 is outlined in red on the slide, and the area to
4 the west, or to your left, is the -- what's
5 called the UMore mining area, and that area was
6 studied in 2009 and 2010. We did sampling out
7 there, and there was also a comprehensive
8 environmental impact statement done around the
9 gravel mining project that's proposed there, and
10 the area to the south, as was explained, is
11 Vermillion Highlands, and that's managed jointly
12 by the University and DNR.

13 There has been some environmental
14 assessment work done down there as well, but the
15 area of focus here is the red area. It's called
16 UMore East, and it's about 3500 acres, so it's a
17 large area, and it was the site of most of the
18 former Gopher Ordnance Works, that I'll refer to
19 periodically as the GOW.

20 Let's talk about the remedial
21 investigation process, and remedial investigation
22 is a term of art. It comes from the Federal
23 Superfund Law, and, basically, it means a
24 thorough investigation of soil and groundwater,
25 surface water quality, groundwater quality in the

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1 study area. There is a process that's covered
2 and described in both MPCA, Pollution Control
3 Agency, and the U.S. EPA guidance that
4 consultants like Barr follows whether you're
5 doing a study in Rosemount or anywhere else in
6 Minnesota or really anywhere else in the United
7 States.

8 It starts with a phase, what's
9 called a Phase I Environmental Site Assessment.
10 I'll explain what that is in more detail, but
11 that's really a paper study where we look at all
12 of the information that's available about a
13 property or an area and we conduct a site
14 reconnaissance where we walk the property or the
15 site looking for evidence of chemical releases or
16 chemical use.

17 When I say chemicals, I'm talking
18 about hazardous substances, which is another term
19 of art, involves most every industrial chemical
20 that you can think of, and petroleum products,
21 which are, of course, something that's derived
22 from oil.

23 So the first step is to do this
24 paper -- this desktop paper study to try to
25 understand where chemicals were handled on the

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1 site and where releases might have occurred.
2 Then, based on that, you set about figuring out
3 develop a -- what's called a RI or Remedial
4 Investigation Work Plan, and that describes how
5 you're going to conduct sampling to assess
6 whether, indeed, releases of chemicals has
7 occurred and, if it has occurred, what's the
8 magnitude and extent of that release.

9 So we're at the second step on this
10 slide. We have developed a RI Work Plan, and
11 it's now at the Minnesota Pollution Control
12 Agency for approval, and what we're doing here
13 tonight is explaining what's involved in that,
14 going to be involved in that work, and soliciting
15 your comments for ideas about things that should
16 be included if they are not.

17 The next step, then, will be to
18 implement the Remedial Investigation Work Plan,
19 as approved, and we're setting that up in two
20 stages. We want to sample smart out here on this
21 site. It's a very large area, a lot of things
22 have gone on. We want to get as much bang as we
23 can for our samples, and so we've set this up in
24 two stages.

25 Stage I is described in the Work

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1 Plan in detail, where we're going to place
2 borings, where we're going to place new
3 monitoring wells, where are we going to collect
4 soil samples. Then we'll take a look at the
5 results from Stage I and decide what we'll sample
6 it Stage II, and the objective is to identify all
7 of the chemical releases that have occurred on
8 this property and define the magnitude and extent
9 of that contamination that has resulted; and at
10 the end it will be summarized in a report that,
11 basically, will present the findings and the
12 conclusions from our investigation, and all this
13 will be conducted during the rest of 2011.

14 Let's look at the Phase I
15 Environmental Site Assessment that we've
16 completed. These site assessments are,
17 basically, performed to an ASTM, American Society
18 of Testing Materials, who has developed a
19 standard that professionals like Barr and other
20 consultants follow as the first step in most any
21 property investigation or cleanup throughout the
22 United States, and the purpose is to define
23 what's called in the standard recognized
24 environmental conditions, which are basically
25 areas where no one expected releases of

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1 chemicals, again, hazardous substances or
2 petroleum products, the whole gamut of the sort
3 of contaminants that are typically cleaned up
4 before a site is developed.

5 There are five components to the
6 Phase I Environmental Site Assessment. The first
7 is the records review, review all the available
8 information on how chemicals were handled on the
9 property and on surrounding properties. There is
10 typically a regulatory database report that's
11 purchased, and there are vendors who have access
12 to all of the files of the various regulatory
13 agencies, and so we get that information, that
14 provides us some understanding of all the
15 information about chemical releases,
16 contamination issues, soil and groundwater that
17 exist on the property or on surrounding
18 properties within a mile.

19 Then there is -- on this site there
20 are geological reports that have to be prepared
21 so that when we do the sampling it's important
22 that we understand the geology, how the soils are
23 present, where the bedrock is, how groundwater
24 flows and so forth. So we review that kind of
25 information.

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1 We also looked at a lot of
2 historical aerial photos, going back to 1937.
3 There are sets of aerial photos of this property
4 that have been reviewed by our professionals,
5 looking for evidence of dumping, evidence of
6 stage soils, other things that would indicate,
7 give us some clues to where chemicals, perhaps,
8 were released.

9 We then looked at the historical
10 plan sheets that are available on the
11 construction and demolition of the GOW and we
12 looked at a tenant list to understand the kinds
13 of companies that had used this property while it
14 was owned by the University; and then, as Janet
15 said, we looked at the previous investigation
16 reports, of which there are more than 60,000 of
17 pages. There's been a lot of work done out on
18 the property. It's important to understand that
19 work because, again, we want to sample smart. We
20 want to build on the information that's
21 available. So that's the first part of the
22 Phase I Environmental Site Assessment, the
23 records review.

24 The second part is the site
25 reconnaissance. We go out on the site, we walk

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1 the property looking for evidence of chemical
2 releases or chemical use. This involved
3 two-person teams on the site, and they were out
4 there for a total of three days, walking around,
5 looking at various things that can be observed,
6 just looking in the sewers, for example, looking
7 at the ruins, walking over some of the old dumps
8 that are present there, taking a look at the area
9 so at that we can see exactly how the ground
10 surface looks now; and we had to wait for the
11 snow to leave because seeing the ground surface
12 is a very important part, obviously, of a site
13 reconnaissance.

14 The third part is interviews with
15 people, people with knowledge about the property.
16 We interviewed three University of Minnesota site
17 managers with long-time experience on the
18 property, and we also interviewed two Dakota
19 County staff. As was mentioned, Dakota County
20 has a lot of knowledge about this property, and
21 they were very, very useful and very helpful in
22 transmitting their understanding of the records
23 and the site to our folks so that we could
24 incorporate that into the Phase I Site
25 Assessment; and, again, what we're looking for

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1 are places on the property where chemicals were
2 handled or potentially released.

3 The fourth part, then, is an
4 information evaluation. We, basically, develop
5 what are called findings, which are the areas and
6 the uses of chemicals on the property. We then
7 develop an opinion about whether or not it was
8 likely that there was a release of chemicals from
9 the places that the chemicals were used, because
10 what you're trying to find is evidence of -- of
11 chemicals that had been released to the soil or
12 groundwater or may be present in dumps or waste
13 disposal areas; and the final part of the
14 Phase I, then, is the report that has been
15 prepared and is available in the various document
16 locations that the University is maintaining,
17 also, I think, on the Web site.

18 I'll talk a little bit about the
19 summary of results from the Phase I. So, again,
20 the Phase I environmental Site Assessment is what
21 we call a desktop information review and summary,
22 no samples are collected for this document.

23 We organized the site into seven
24 sub-areas, and they're available on the maps, and
25 I want to talk about what went on in each of

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1 those sub-areas.

2 The first one is the GOW -- what
3 we're calling GOW East, which is way over on the
4 eastern side of the site. Here's County Road 46
5 coming through the center of the site. GOW East
6 is this area over here, that was one area, second
7 is what we call the ABC line, where cannon powder
8 was produced for a short time in the mid-1940s;
9 and, then, there's the central area, located
10 here, GOW central; and then the DEF line here
11 where was partially constructed for rifle powder
12 to be made, but it was never used. There's what
13 we call the Navy burning ground area. This is
14 where the Navy had their facility, as well as
15 where the burning ground was for where all spent
16 powder and materials from the Gopher Ordnance
17 were burned. Then there's GOW West up here in
18 the corner; and GOW North, where the
19 administrative buildings were, up here, along 42;
20 and, then, I think those are the seven areas that
21 were defined.

22 I'll talk a little bit about what
23 went on in each of these areas because this is
24 important information for the Remedial
25 Investigation Work Plan, but in GOW -- oops,

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1 operator error here. In GOW East, it was
2 basically the nitric acid and the sulfuric acid
3 production area, was where the coal-fired power
4 plant was for the eastern side of the Gopher
5 Ordnance Works, was the coal ash pond, that's
6 where the wastewater treatment plant was, and
7 that's where the outlet of the main sewer systems
8 for the old Gopher Ordnance Works existed.

9 In the A,B,C line here
10 (indicating), this was the -- was only used for
11 nine months, and I think only one of the -- the
12 A,B,C was, basically, three lines that were
13 constructed for manufacturing and processing of
14 cannon powder, and I think only the B line was
15 used for any length of time at all, and the other
16 two lines were not -- were not used. It also
17 included the main shops area, and in that area
18 now there's a lot of ruins and a lot of sewers
19 from the old operation.

20 Post GOW, post GOW, that's where
21 the location -- there were three parts of the
22 University of Minnesota Rosemount Research Center
23 Superfund site are located, and these were
24 tenants that did things that might have been
25 common back in that day but which caused some

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1 problems. One was George's Used Equipment, the
2 other one was U.S. Transformer, and the third one
3 was Porter Electric; and what these operations
4 were doing were recovering batteries, recovering
5 metal, and caused contamination of the soil with
6 polychlorinated biphenyls, PCBs, and metals.

7 Those areas have been remediated
8 under the overview of the Minnesota Pollution
9 Control Agency and the U.S. EPA back in the late
10 1980s, and contaminated soil has been excavated
11 or some of that soil was incinerated on site and
12 other areas have been capped. So those three
13 parts of the University Superfund site have been
14 closed.

15 The third area is GOW Central, kind
16 of comes down here (indicating). In this area
17 was cannon powder processing and packaging.
18 There were rail lines there, powder cans for
19 storage in what was called the Christmas trees,
20 which were light-gauge railroads, and there was a
21 lot of demolition debris disposal at the time the
22 Gopher Ordnance Works was shut down; and, also,
23 that includes the fourth part of the University
24 Superfund site, which was the University of
25 Minnesota Rosemount Research Center burn pit,

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1 which has already been capped and closed under
2 the oversight of the U.S. EPA and Minnesota
3 Pollution Control Agency in the 1980s.

4 The fourth area is the D,E,F line
5 here (indicating). As I had mentioned, that was
6 constructed for the production of rifle powder.
7 It was never really put into operation. It was
8 also the location of an aniline plant that was
9 going to be used to manufacture stabilizer for
10 the rifle powder. That was also never put into
11 production.

12 The Navy burning grounds here,
13 where the off-spec powder was burned, also where
14 the Navy satellite operation center was located.
15 GOW West, up in the corner here (indicating), was
16 largely unused. The railroad came through there
17 that served the Gopher Ordnance Works. There
18 were also a lot of gravel pits there that were
19 probably used for gravel to construct the --
20 construct the Gopher Ordnance Works are located
21 in that area, and it's also the University's beef
22 farm.

23 Finally, the GOW North, up here
24 (indicating), scenario where the administrative
25 offices were located. There's an area where

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1 parking was located. Again, the heavy-gauge
2 railroad went through there and hauled materials
3 into and out of the Gopher Ordnance Works. There
4 is a natural gas pipeline through that area.

5 As we reviewed all the information,
6 we identified about 100 findings. Those were
7 areas where chemicals were used or stored or
8 released on the property, and both associated
9 with the Gopher Ordnance Works and associated
10 with tenants that have occupied the area since
11 the Gopher Ordnance Works closed.

12 Then we looked at those 100
13 findings, and we used our professional judgment
14 to say which of those areas could have resulted
15 in a release of chemicals because we have
16 information data that's been collected that would
17 show that or, in our judgment, could have
18 resulted in a release of chemicals above the
19 de minimis quantities. You know, a few molecules
20 isn't going to cause a problem. The way we think
21 of it, if that release would likely have brought
22 regulatory scrutiny in this day and age today,
23 then, that becomes what we call recognized
24 environmental condition.

25 Our environmental professionals

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1 concluded that out of those 100 findings, 67 of
2 those, or two-thirds, rose to the level of a
3 recognized environmental condition, and that's an
4 area where release of chemicals has occurred or
5 could potentially have occurred above de minimis
6 levels.

7 So that, then, completed the
8 Phase I Environmental Site Assessment. Those 67
9 recognized environmental conditions were then
10 carried into the work plan for the remedial
11 investigation.

12 Let's talk a little bit about our
13 Work Plan. With that many sites of concern, or
14 SOCs, we needed to categorize and prioritize
15 those, and we had so many samples and so much
16 budget was available, so we had to prioritize
17 those and emphasize the worst first, but we are
18 going to look at all of the recognized
19 environmental conditions except those that are
20 being studied currently by the Army and those
21 that are existing tenant sites where the
22 University already has tenants living and
23 operating there.

24 We divided these findings or these
25 recognized environmental conditions into various

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1 categories. Category 1 were, basically, those
2 where a release has been documented with the
3 studies that have gone on out here in the last,
4 oh, 20 or 25 years. There has been a lot of data
5 collected on various specific areas of the site,
6 so we put 21 of those recognized environmental
7 conditions into Category 1 where we know a
8 release has occurred. So the objective there in
9 our studies is to define extent and magnitude,
10 because before you can contemplate how you're
11 going to clean something up, understand how the
12 situation would fit with the future development
13 of the property, you have to know extent and
14 magnitude of the contamination. So in the
15 Category 1 sites, we're going to go right into
16 Stage I into defining extent and magnitude.

17 In Category 2 and Category 3 --
18 Category 2 sites are those where we don't have
19 data that would show that a release has occurred
20 but we think it's probable that a release has
21 occurred, and there's -- out of our 67 we put 41
22 sites into that category.

23 What we have to do there is do some
24 sampling to see whether a release really did
25 occur. So, in Stage I, we're going to sample

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1 each of those sites and determine whether there
2 was, indeed, a release of chemicals above
3 screening levels that we use in this business
4 that are based on human health concerns. So if
5 we find a concentration, then, that is above
6 human health concerns screening levels at those
7 sites, we would then in Stage II go about
8 defining extent and magnitude.

9 The Category 3 areas are really
10 grids which are sort of between the various
11 recognized environmental conditions we found, and
12 we're going to sample five of those grids to see
13 whether there's contamination out there that
14 might be wind-blown contamination or from a
15 source that's not directly connected with that
16 location. We don't want to just study the areas
17 where releases may have occurred and miss that
18 there is some larger issue on the site that has
19 resulted from, as I say, wind-blown deposition or
20 erosion or some other mechanism that has moved
21 the contamination from the release areas; and,
22 then, the Category 4 areas are the areas that we
23 aren't going to study. These are the ones
24 where we don't think releases have occurred and
25 where there won't be further work; and now, as I

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1 said, the objective of our work this year is to
2 define all of the releases that have occurred on
3 this property, on this 3500 acres, and do as much
4 as we can to define the magnitude and extent of
5 those releases.

6 When you set up your sampling plan,
7 you need to understand what we call the
8 conceptual release model, which tells us how the
9 contamination may have been released to the soil
10 or groundwater, and there are several conceptual
11 release models that we're looking at on this
12 property. One is the release to the surface
13 soils but then infiltration from the surface
14 soils to the subsurface soils and down to the
15 groundwater, and that one would apply for spills
16 that would have occurred on the ground surface or
17 releases to the ground surface.

18 A second release model would be for
19 underground storage tanks, septic tanks and drain
20 fields and sewers, and that would be a release
21 directly to the subsurface soils from
22 infiltration or leakage and then, perhaps,
23 infiltration then from the subsurface soils down
24 to groundwater.

25 The third conceptual release model

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1 is for dumps. Contamination could be in the dump
2 materials or it could have leached from the dump
3 materials down into the underlying soils and
4 perhaps to groundwater.

5 So those are the three main
6 conceptual release models that we're applying as
7 appropriate to each of the release areas, the
8 chemical release areas; and, as I said, we are
9 going to try to do the sampling in two stages,
10 and Stage I will focus on Category 1, 2 and 3
11 sites, seeing if releases have occurred in the
12 Category 2 and 3 sites, and try to define lateral
13 extent, not vertical but lateral extent of the
14 contamination in the Category 1 sites where
15 contamination has already been identified.

16 In Stage II, after we get the data
17 from Stage I and look at it, we'll design
18 Stage II, and Stage II will basically focus on
19 defining the magnitude and extent of the releases
20 that have been identified in Category 2, three
21 sites in Stage I and now doing vertical profiles
22 and vertical extended contamination in the
23 Category 1 sites, as well as the Category 2 and 3
24 sites.

25 The Stage II Work Plan, sampling

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1 plan will be defined based on the Stage I
2 results, so that Stage II sampling plan will be
3 submitted to the Pollution Control Agency and
4 Dakota County for their review and comment.

5 Stage I, as it's currently defined,
6 will involve about 100 surface samples, 190 test
7 trenches, and 24 deeper soil borings, to give us
8 an indication of whether release has occurred in
9 the Category 2 and 3 sites and the magnitude and
10 extent of contamination from Category 1 sites.
11 Basically, looking at about 760 groups of
12 analyses conducted on the 300 to 350 samples that
13 are anticipated to be collected.

14 So Stage I will significantly
15 improve the knowledge of these 3500 acres in the
16 areas where releases of chemicals could have
17 occurred. Samples will be collected at the
18 ground surface, which we're defining as zero to
19 six inches, collected near surface, which is zero
20 to four feet, and the subsurface for twelve feet
21 and from inside utilities and structures that
22 we've identified. In the groundwater sample
23 locations we're talking about sampling nine
24 existing wells, some of which have not been
25 sampled for a long time, and seven new wells that

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1 will be placed to see what the groundwater
2 quality situation is under the site.

3 We're also conducting a geophysical
4 survey in some of the large dump areas to give us
5 a good indication of the extent of the dumps that
6 are present. Stage II, as I said, will build on
7 the data from Stage I, and we're looking at a
8 comparable number of samples in Stage II.

9 The report will be prepared by the
10 end of this year. It will show where the
11 releases have occurred above human health
12 screening levels. It will show the anticipated
13 magnitude and extent of the identified releases.

14 Showing you a bit about some
15 examples here. Here's the east sub area
16 (indicating). We've identified on here are
17 sampling locations, and you can see these on the
18 boards that are present. We also have copies of
19 the Work Plan. If you want to look at a specific
20 area and see where we're sampling in Stage I,
21 we'd be glad to share that with you. It's hard
22 to see from up here. We then -- this is the map
23 of the northern part of the east sub area,
24 basically showing the existing conditions, and,
25 again, you can see the sampling locations are in

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1 colors. There's also some of the buildings from
2 the GOW that we've labeled there so that we can
3 orientate ourselves while using these maps; and,
4 then, also, we put these sampling locations on a
5 map, and this is the 1945 photo showing the
6 Gopher Ordnance Works when it was in operation.

7 So you're welcome to look at these
8 maps. Jim Eidem has amazing knowledge of every
9 detail in our sampling plan, so he'd be glad to
10 stay as long as you want to stay to talk about
11 specific areas, and how we're proposing to attack
12 each area.

13 Our project schedule, the Work Plan
14 has been submitted to the Pollution Control
15 Agency, they're in the middle of their review.
16 They're hopeful that they'll have their review
17 done by the middle of June. They'll give us
18 comments, we'll finalize the plan. We want to
19 get into the field in June for our Stage I
20 sampling to begin that. June 20 is kind of the
21 day that the checkered flag or the green flag, I
22 think, goes down to start. We hope to complete
23 that Stage I work in July, review the results,
24 get a sampling plan into the Agency, get that
25 reviewed by the Agency and get our Stage II work

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1 done in September, with our report in December.

2 Any questions? I forgot to look at
3 the court reporter. Did I read too fast?

4 Questions, comments?

5 MS. DALGLEISH: So does anyone have
6 questions either about the process or have
7 information that you'd like to share or any
8 questions at all regarding this? Yes, Myron.
9 Oh. Would you please say your name and I'll give
10 you the microphone.

11 MR. NAPPER: Thank you. Myron
12 Napper, and I'm glad to -- finally realizing that
13 they're going to be doing something with this
14 situation after 60 some years. You know, it's
15 really -- it helps take a load off my shoulders,
16 really. The things, you know, over the years
17 that we've been lied to and everything else, what
18 they've been going to do and everything else,
19 when they come out, yeah, we're going to get the
20 government to clean this up and all this blarney,
21 and they send their messengers out here, tell us
22 what they're going to do, it never happens. I've
23 been around here for just about 60 years, and I
24 still have the day to see that the University has
25 done something good for the City of Rosemount or

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1 the City of Empire. The best thing that ever
2 happened when they put the gun club in in Empire
3 Township down there. My son happened to be mayor
4 of Rosemount at the time, and they didn't want to
5 do it. He said then we'll cut off your fire
6 protection if we can't lease that property for
7 them, and that was the best thing that ever
8 happened. The DNR has taken over there. They
9 have a very good strong gun club out there, but
10 that is about the only thing that I know that
11 they were forced into.

12 But, like I'm saying, as far as,
13 you know, them being a Good Samaritan to us,
14 that's never happened really, but I know they're
15 looking for a Santa Claus out there to do a lot
16 of this stuff, but I tell you what, they ain't
17 out there. People got to make a living, too, you
18 know; and what really irks me, we got all that
19 property from forty -- on the south side of 42,
20 all the way on the east side of their property
21 line, clean into Rosemount, that is fairly good
22 property. There's some that's got a little bit
23 of contamination there. But why can't we get
24 developers to buy that property to develop this
25 thing? As far as the U get -- the University

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1 getting their people in here and they're going to
2 do this, and twenty, 30,000 people over here, I
3 mean, they got -- it's one goof-up after another.
4 Two years ago they hired an outfit that went in
5 there to dig -- cut all them trees and everything
6 up. They got them all chopped up and everything,
7 come to find out they didn't take a permit out,
8 cost them \$54,000 for the permit, and then they
9 had to hire a recycling firm to come in and pick
10 up the asbestos that was laying on top of the
11 ground, and I don't know. I forget who it was
12 that was at this meeting a couple weeks ago I was
13 at, and they wanted to know, you know, who would
14 be interested, or whatever the question was, of
15 taking down those 53 concrete things. I told
16 them there's no Santa Claus out there. So, you
17 know, they laughed at me, but they ain't laughing
18 now. This is serious business, and it's been
19 going on for 60 years, and I put the blame a lot
20 on local government and county government, as far
21 as that's concerned. I think they should have
22 been on this case long before I got on it. Thank
23 you.

24 MS. DALGLEISH: Well, Myron, thank
25 you for your comments; and I do want to assure

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1 you that we are going to do this investigation so
2 that we can move this property forward, and I
3 appreciate the information that you provided us
4 in your interview.

5 So do we have anyone else with
6 questions or comments? Yes? And state your
7 name, please.

8 MR. KNOLL: Frank Knoll. When
9 you're sampling this, are you going to take --
10 first off, are you going to go down just the six
11 inches all over the place and then decide to go
12 deeper?

13 MR. GEBHARD: Yes. We're looking
14 at the release model, and our surface release
15 model will do surface sampling. But the test
16 trench, the nice thing about the test trenches is
17 we can take a look at the soils going down on the
18 side walls so that we can decide the best place
19 to sample based on what we see and what we
20 measure with our field instruments.

21 MR. KNOLL: In other words, you're
22 going to dig a trench and on each side of the
23 trench you're going to watch -- dig down so deep
24 and then you're going to look at the soil as it
25 goes down?

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1 MR. GEBHARD: Exactly, and then
2 take measurements with a vapor analyzer to see if
3 we can see some evidence of chemical release, and
4 we'll take the sample in the worst location we
5 can find.

6 MR. KNOLL: You're going to do this
7 all over or is this just in a certain area?

8 MR. GEBHARD: No, all over, but
9 looking at the areas where we think releases
10 occurred, and so we're looking at 190 test
11 trenches, 100 surface samples in Stage I, and 24
12 deep borings in Stage I, and, then, about the
13 same number coming back to confirm things and to
14 find how far the contamination goes out from
15 where we found it.

16 MR. KNOLL: When you check for the
17 outlying deals, are you going to go just -- you
18 know, you got -- are you going to dig where the
19 deepest part is and then tailor it out from
20 there?

21 MR. GEBHARD: Yes, yes. As I say,
22 we try to sample smart because we don't have
23 unlimited budget in this stage, so we want to
24 collect as much good information as we can for
25 the scope of the study.

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1 UNIDENTIFIED MAN: Anyone else?

2 MR. GEBHARD: I'll say it again,
3 Jim and I will stay around if you want to look at
4 the maps or if you want us to pull out a Work
5 Plan and look at the details of all of the seven
6 areas, each of the seven areas, be glad to stay
7 for that. I want to be sure that any questions
8 you might have we try to answer as best we can.

9 MS. DALGLEISH: Thanks for coming
10 out.

11 MR. GEBHARD: Thanks for coming.

12 MS. DALGLEISH: I just wanted to
13 remind you that -- I'll speak loudly. I just
14 wanted to remind you that we do have comment
15 forms and comments need to be provided in
16 writing, and we will make sure that the MPCA
17 receives any comments that are turned in at the
18 back. Thank you.

19 (Whereupon, the proceedings was
20 concluded at 7:19 p.m.)

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1 STATE OF MINNESOTA)

)ss. CERTIFICATE

2 COUNTY OF DAKOTA)

3 BE IT KNOWN that I, Jean F. Soule, took
the foregoing proceedings;

4

That the proceedings were recorded in
shorthand by me and reduced to typewriting under
my direction;

6

That the foregoing transcript is a true
record of the proceedings to the best of my
ability;

8

That I am not related to any of the
parties hereto, nor an employee of them, nor
interested in the outcome of the action;

10

That the cost of the original has been
charged to the party who ordered the transcript,
and that all parties who ordered copies have been
charged at the same rate for such copies;

13 WITNESS MY HAND AND SEAL this 31st day of
May, 2011.

14

JEAN F. SOULE, Notary Public, RPR

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**Remedial Investigation of UMore Park East, Dakota County, Minnesota
Minnesota Pollution Control Agency and University of Minnesota**

Public Meeting

Thursday, May 19, 2011
6 p.m. to 8 p.m. (formal program starts at 6:30 p.m.)
Rosemount Community Center

AGENDA

- 6:00 p.m. Informal viewing of display boards, maps and related information (project staff and consultants available for questions and conversation). Light refreshments.
- 6:30 Introductory remarks and process for providing public comments – **Gary Krueger**, Environmental Planner, Remediation Division, Minnesota Pollution Control Agency
- 6:35 Project staff introductions – **Craig Moody**, Director of Health and Safety, and **Janet Dagleish**, Environmental Planner, Department of Environmental Health and Safety, University of Minnesota
- 6:40 Remedial Investigation of UMore Park East – **Allan Gebhard**, Senior Vice President, Barr Engineering
- Description of the UMore East Remedial Investigation process
 - Summary of Draft Phase I Environmental Site Assessment findings
 - Review of the Draft Remedial Investigation Work Plan
 - Anticipated project schedule
- 7:00 Opportunity for Public Questions/Comments on the Draft RI Work Plan
- 7:15 Informal viewing of display boards, maps and related information, with project staff and consultants available for questions and conversation
- 8:00 Public meeting adjourns