

**MINUTES**  
**SOLID WASTE MANAGEMENT ADVISORY COUNCIL**  
**September 17, 2009 Regular Meeting**  
**Department of Environmental Quality**  
**Multipurpose Room 707 N. Robinson**  
**Oklahoma City Oklahoma**

**Approval by SWMAC**  
**January 21, 2010**

**Notice of Public Meeting** The Solid Waste Management Advisory Council convened for its regular meeting at 9:00 a.m. July 16, 2009, in accordance with the Open Meeting Act, Section 311 of Title 25 of the Oklahoma Statutes. Notice of regular meeting was filed at the Office of the Secretary of State on October 24, 2008. Agendas were posted on the entrance doors at the DEQ Central Office in Oklahoma City at least twenty-four hours prior to the meeting. Mr. Jay Stout, Chair, called the meeting to order and roll call confirmed that a quorum was present.

**MEMBERS PRESENT**

Donald Fletcher  
Steve Landers  
T. J. McCullough  
Jeff Shepherd  
Jay Stout  
Ralph Triplett

**DEQ STAFF PRESENT**

Fenton Rood  
Mike Stickney  
Barbara Rauch  
Matt Caves  
Mary Johnson  
Myrna Bruce

**MEMBERS ABSENT**

Bryan Taylor  
Bill Torneten  
Vacancy

**OTHERS PRESENT**

Christy Myers, Court Reporter

Sign-in sheet is attached as an official part of these Minutes.

**Approval of Minutes of the July 16, 2009 regular meeting** Mr. Jay Stout called for a motion to approve the minutes. Mr. Shepherd made the motion to approve. Mr. Fletcher made the second.

See transcript pages 3- 4

**Roll Call**

Steve Landers	Yes	Jeff Shepherd	Yes
Donald Fletcher	Yes	Ralph Triplett	Yes
T.J. McCullough	Yes	Jay Stout	Yes

**Discussion of Solid Waste Program Fees/Expenditures** Mr. Fenton Rood provided handouts showing the budgets for FY 2009 and 2010 and answered questions from Council. Mr. Stout called for a motion. Mr. McCullough made motion for approval as discussed. Mr. Shepherd made the second.

See transcript pages 5 - 6

**Oklahoma Computer Equipment Recovery Act** Mr. Fenton Rood provided a preliminary draft of rule language and fielded questions. No Council action was required.

See transcript pages 7 - 9

**Establishment of waste screening standards for transfer stations and construction/demolition landfills.** Mr. Fenton Rood provided a preliminary draft of the

intended rulemaking and explained the proposed changes. No Council action was required.

See transcript pages 10 - 12

**Discussion of composting rules** Mr. Fenton Rood led discussions regarding the proposed rule changes in the preliminary draft. No Council action was required.

See transcript pages 12 - 18

**Collection of household hazardous waste at solid waste management facilities** Mr. Fenton Rood stated that staff concluded that rules were already in place for the separation of household hazardous waste. Staff provided a guidance document on best management practices for future consideration. No Council action was required.

See transcript 18 - 19

**Discussion of adding requirements for gas monitoring at construction/demolition landfills** Mr. Rood discussed the preliminary draft rule proposal requiring C&D to conduct methane monitoring and control. No Council action was required.

See transcript pages 19 - 24

**Public Forum** - No public issues were raised. Mr. Caves advised Council that dates tentatively set for 2010 meetings are January 21; April 15; July 15; and September 16.

**Adjournment** At 9:50 a.m. Mr. Stout adjourned the meeting.

**Transcript and Attendance Sheet are attached and made an official part of these minutes.**

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DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE OF OKLAHOMA

\* \* \* \* \*

TRANSCRIPT OF PROCEEDINGS  
OF THE SOLID WASTE MANAGEMENT  
ADVISORY COUNCIL MEETING  
HELD ON SEPTEMBER 17, 2009, AT 9:00 A.M.  
IN OKLAHOMA CITY, OKLAHOMA

\* \* \* \* \*

MYERS REPORTING SERVICE  
Christy Myers, CSR  
P.O. Box 721532  
Oklahoma City, Oklahoma 73172-1532  
(405) 721-2882

1 MEMBERS OF THE COUNCIL

2

3 JAY STOUT - CHAIR

4 JEFF SHEPHERD - VICE-CHAIR

5 STEVE LANDERS - MEMBER

6 T.J. MCCULLOUGH - MEMBER

7 DONALD FLETCHER - MEMBER

8 PATRICK RILEY - MEMBER

9 BILL TORNETEN - MEMBER

10 RALPH TRIPLETT - MEMBER

11 BRIAN TAYLOR - MEMBER

12

13 STAFF MEMBERS

14

15 MYRNA BRUCE - SECRETARY

16 FENTON ROOD - PROGRAMS MANAGER

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PROCEEDINGS

2

September 17th

3

MR. STOUT: I'd like to call the

Advisory

4

meeting to order for the Solid Waste Management

5

Council. Could we have a roll call, please.

Landers.

6

MS. BRUCE: Good morning. Steve

7

MR. LANDERS: Here.

8

MS. BRUCE: Donald Fletcher.

9

MR. FLETCHER: Here.

10

MS. BRUCE: T.J. McCullough.

11

MR. MCCULLOUGH: Here.

12

MS. BRUCE: Jeff Shepherd.

13

MR. SHEPHERD: Here.

14

MS. BRUCE: Ralph Triplett.

15

MR. TRIPLETT: Here.

16

MS. BRUCE: Jay Stout.

17

MR. STOUT: Here.

Brian

18

MS. BRUCE: For the record, absent are

19

Taylor and Bill Torneton, but we do have a quorum.

motion to

20

MR. STOUT: Thank you. Is there a

21

approve the Minutes of the prior meeting.

approve the

22

MR. SHEPHERD: I make a motion we

23

Minutes from the prior meeting.

24 MR. FLETCHER: I'll second it.  
25 MR. STOUT: Motion has been made and  
seconded.

4

1 We need a roll call vote to approve.  
2 MS. BRUCE: Steve Landers.  
3 MR. LANDERS: Yes.  
4 MS. BRUCE: Don Fletcher.  
5 MR. FLETCHER: Yes.  
6 MS. BRUCE: T.J. McCullough.  
7 MR. MCCULLOUGH: Yes.  
8 MS. BRUCE: Jeff Shepherd.  
9 MR. SHEPHERD: Yes.  
10 MS. BRUCE: Ralph Triplett.  
11 MR. TRIPLETT: Yes.  
12 MS. BRUCE: Jay Stout.  
13 MR. STOUT: Yes.  
14 MS. BRUCE: Motion approved.  
15 MR. STOUT: Thank you. Now Fenton,  
Public  
16 Forum. You're not public.  
17 MR. ROOD: I thought this was probably  
the most  
18 appropriate place on the agenda to call to your  
attention that  
19 we are fortunate to have the services of an attorney  
new to our

20 program.

21 I'd like to introduce Matt Caves who will  
be advising

22 us all. And I can tell you from working with him so  
far that

23 we are very well served.

24 MR. STOUT: Thank you. Discussion of  
Solid

25 Waste Permitting Fees and Expenditures.

5

1 This is something we do every year. Have  
you had a

2 chance to look at it? It's in your packets.

3 Fenton, I have a question. How much more  
is this

4 this year compared to last year?

5 MR. ROOD: You have on top, what we  
budgeted and

6 actually spent in fiscal year 2009. And then the  
second sheet

7 is our current budget for the present fiscal year.

8 Does that help you compare? Does that  
answer your

9 question?

10 MR. STOUT: Thank you.

11 MR. SHEPHERD: What about the cuts  
that the

12 state is asking for. Is that included in here or is  
this not a

13 part of your Department or this Department?

14 MR. ROOD: We've all been reading the  
newspapers

15 about the State budget problems and the mandatory  
cuts. All of

16 that discussion refers to appropriated dollars.  
These are fee

17 dollars, this is not part of that discussion.  
However, what we

18 are doing in the current fiscal year is we are  
looking very

19 seriously at some of the items particularly under  
contracts

20 that are discretionary. And we are quite consciously  
not

21 entering into those expenditures yet until we get  
more

22 information about the total revenue outlook and what  
our impact

23 is.

24 MR. SHEPHERD: Yeah. I can see in  
2009 you

25 budgeted 2.1 for contracts and you only spent 1.5.

6

1 MR. ROOD: If you review our history  
in looking

2 at these documents it is quite common to budget more  
than we

3 actually spent.

4 MR. STOUT: Anymore questions?



5 Is there a motion to approve?

6 I've already signed the letter.

7 MR. MCCULLOUGH: I move that we  
approve the 2010  
8 budget.

9 MR. SHEPHERD: Second.

10 MR. STOUT: Motion has been made and  
seconded.

11 Roll call vote, please.

12 MS. BRUCE: Steve Landers.

13 MR. LANDERS: Yes.

14 MS. BRUCE: Don Fletcher.

15 MR. FLETCHER: Yes.

16 MS. BRUCE: T.J. McCullough.

17 MR. MCCULLOUGH: Yes.

18 MS. BRUCE: Jeff Shepherd.

19 MR. SHEPHERD: Yes.

20 MS. BRUCE: Ralph Triplett.

21 MR. TRIPLETT: Yes.

22 MS. BRUCE: Jay Stout.

23 MR. STOUT: Yes.

24 MS. BRUCE: Motion approved.

25 MR. STOUT: Item 6 on your Agenda,  
Oklahoma

1 Computer Equipment Recovery Act.

2 Now this is not for the benefit of the  
Council.

3 Today is not rulemaking. To refresh your memory from  
last  
4 meeting, we sent this to Fenton to come back to us so  
we're not  
5 ready for rulemaking yet. Or Fenton is not ready for  
6 rulemaking yet.

7 All right. Questions and discussions by  
Council.

8 MR. ROOD: Mr. Chairman.

9 MR. STOUT: Yes.

10 MR. ROOD: Just to clarify your  
statement, we

11 did not publish notice of rulemaking so this -- you  
can take no

12 binding action on these. At the last meeting you  
generally

13 endorsed a series of topics that you wanted us to  
look at. We

14 have begun the process. These are all preliminary  
drafts. We

15 will publish notice of rulemaking for your next  
meeting.

16 MR. STOUT: Thank you.

17 MR. SHEPHERD: Are these rules similar  
to states

18 that have these type of rules?

19 MR. ROOD: There are about 20 states  
now that  
20 have mandatory computer recycling programs. Our  
statute  
21 follows a model that was adopted by many. The states  
that  
22 we're reading now about in terms of being aggressive  
and in the  
23 lead in this activity would include states like  
Washington,  
24 Oregon, and Maine. And our statute is not like  
theirs. Does  
25 that answer your question?

1 MR. SHEPHERD: More or less. Been  
hanging out  
2 at the Capitol lately?

3 MR. TRIPLETT: Fenton, I don't see in  
here  
4 anywhere that it gives any kind of description on  
devices.

5 What are we talking about exactly? What, everything  
from cell  
6 phones to what?

7 MR. ROOD: That's actually defined in  
our  
8 statute and I would yield to our attorney to give you  
the  
9 definition out of the statute.

10 MR. CAVES: Just kind of a background  
here.  
11 Senate Bill 1631 was the base of this e-ways  
recycling act.

12 And it was codified in Title 27A of Oklahoma Statutes  
at 2-11-

13 601 et seq. With that, the act itself and the  
statute pretty  
14 much allows us to establish rules for a fee system of  
15 implementing the act and then also assisting with  
education and  
16 grants.

17 As far as definitions, covered devices,

18 manufacturers, all those things are within the  
statute itself.

19 What we're trying to do here is setup a fee structure  
and fill

20 in the gaps where there is some questions on  
recycling plans.

21 Because there are some examples in the statute itself  
but at

22 the same time it's not a one size fits all. So those  
things

23 are left up to manufacturers.

24 So pretty much if they manufacture, sell,  
or import

25 within the state of Oklahoma 50 or more covered  
devices, which

1 back to your question, is for the most part a  
computer. Not  
2 PDA's, they are specifically exempted. Not cell  
phones, not  
3 gaming devices under our interpretation of it. But  
all those  
4 things are established and set out in the act itself,  
in the  
5 statute.

6 MR. STOUT: Yes, Fenton.

7 MR. ROOD: Another important exclusion  
in the  
8 statute is that televisions are not covered devices.

9 MR. SHEPHERD: That's got to be a  
pretty big  
10 component, is TVs I would think, wouldn't it?

11 MR. ROOD: Televisions are a growing  
component  
12 of electronic waste. It's my understanding that our  
statute  
13 was especially driven by the interests of Dell  
Computers and  
14 they were not able to come to an agreement with the  
television  
15 manufacturers.

16 Now it's also my understanding that in  
general we are  
17 headed towards a national system. And at the  
national level

18 the television manufacturers and the computer  
manufacturers

19 have reached agreements. So anything we see emerge  
at the

20 national level will probably include televisions.

21 MR. STOUT: Does that answer your  
question?

22 MR. SHEPHERD: Yes.

23 MR. STOUT: Does Council have any  
other

24 questions? Does the public have any questions?

25 Hearing none, I guess we can go to the next  
item.

10

1 MR. SHEPHERD: Thank you, Matt.

2 MR. STOUT: No. No action is taken.

3 Number 7. Establishment of waste screening  
standards  
4 for transfer stations and construction/demolition  
landfills.

5 Fenton, do you want to say anything before  
we --

6 MR. ROOD: What you asked us to do  
last time was

7 take a look at adding the same standards for waste  
screening  
8 that apply at municipal solid waste landfills to two  
other  
9 types of facilities; transfer stations and  
10 construction/demolition landfills.

11 And the general rationale is that if you're  
a landfill  
12 operator and a transfer trailer rolls in, there is no  
way in  
13 the world you can get a good look at everything  
that's being  
14 dumped. Yet, if you are a transfer operator,  
especially if  
15 you're dumping on a concrete pad, you get the best  
look of  
16 anybody in the system. So that was what seemed to  
make sense  
17 about adding that requirement.





11

1 Did everyone get these before the meeting?  
Because I 2 did.

3 MR. TRIPLETT: Mr. Chairman, do you  
think we 4 could get somebody form staff to point out the areas  
that 5 applies to the C and D's.

6 MR. STOUT: Fenton.

7 MR. ROOD: What is your question, Mr.  
Triplet? 8

9 MR. TRIPLETT: Since we haven't really  
had a 10 chance to look this over, I was wondering if somebody  
from the 11 staff could just kind of go over the highlights of it  
-- of 12 what affects it would have on a C and D landfill.

13 MR. ROOD: You bet. You bet. And I'm  
looking 14 now at the draft that says "Establishment of Waste  
Screening 15 Standards for Transfer Stations and  
Construction/Demolition 16 Landfills".

17 And from a drafting perspective, it's a  
relatively 18 simple fix where we currently have the requirements  
for

18 municipal solid waste landfills, we add the same  
requirements

19 for construction/demolition landfills.

20                   And then on the second page we begin the  
process of

21 adding in the same types of language for transfer  
stations.

22 And again these are the same requirements that are  
currently

23 imposed on municipal solid waste landfills.

24                   MR. STOUT: On these reports that  
landfills have

25 to fill out, does anyone actually look at them?



18 is designed, many of those types of reports are  
effectively our

19 environmental early warning system.

20 MR. STOUT: Any other questions by  
Council?

21 Public? Moving right on.

22 Number 8. Discussion of Composting Rules.  
Fenton.

23 MR. ROOD: There is a growing interest  
in

24 composting as a waste management strategy. We have a  
couple of

25 communities right now that have active composting  
programs for

1 yard waste. We have another community that is doing  
a serious  
2 study of it. And so, as we discussed at our last  
meeting, it  
3 had been quite sometime since any of us had reviewed  
our  
4 compost rules. And so it seemed to make sense that  
we take a  
5 look at those. We did and one of the things that we  
have tried  
6 to do so far, and that's the first proposal that  
you'll see, is  
7 that we allow yard waste composting operations to add  
other  
8 organic materials as long as they are ten percent --  
no more  
9 than ten percent of the total volume.

10 And then we also added language to clarify  
that we do  
11 not regulate composting operations that handle animal  
waste  
12 from production agriculture. That is regulated by  
the  
13 Department of Agriculture. And further if a  
composting  
14 operation proposes to include wastewater treatment  
plant  
15 sludge, that activity is regulated under the NPDES  
permit and  
16 there are specific standards for what must be  
achieved in

17 composting wastewater treatment plant sludge.

Fenton. When

18 MR. FLETCHER: I have a question,

19 you go volumes, is that by tons or by yards or their  
choice?

20 thought about

MR. ROOD: I don't know that we

21 that in sufficient detail yet. Frankly, the concept  
that we're

22 working towards is that with increasing interest in  
diverting

23 any type of organic material it seemed that limiting  
these

24 facilities to yard waste only was not necessarily in

25 everybody's best interest. But at the same time, how  
do you

1 allow for the growth of composting in a controlled  
way that  
2 doesn't create an environmental problem. So that's -  
- I think  
3 that's a good point. I think that's something we  
need to look  
4 at.

5 MR. FLETCHER: I think that if you are  
going by  
6 volume then if I wanted to do it by the yard or even  
by the  
7 tons -- if I wanted to bring in so many yards of  
straw and so  
8 many tons of food waste, it would be a lot different,  
wouldn't  
9 it?

10 MR. ROOD: So your food waste would be  
very  
11 dense and high liquid content, and your straw would  
be not  
12 dense at all, would it?

13 MR. SHEPHERD: Why only ten percent?  
I'm just  
14 curious.

15 MR. ROOD: I think that's a reasonable  
question  
16 and that's why we have this public process. Is there  
a better  
17 number in your opinion?



percent. 18 MR. SHEPHERD: Twenty-five (25)

number, 19 MR. FLETCHER: So was it just a random

20 ten percent?

concept 21 MR. ROOD: Again we're starting with a

If you 22 and I would suggest ten percent is a random number.

that. 23 think 25 percent is a better number, let's look at

looking at 24 MR. SHEPHERD: I mean, if we're just

25 random numbers.

15

of a 1 MR. TRIPLETT: Would there be any kind  
of a 2 study that's been done on that any where that we know  
of? 3

be very 3 MR. ROOD: Ralph, I think that would  
the type 4 difficult to quantify because it is so much based on  
5 of organic material that you're talking about.

facility that 6 For example, Mr. Landers works at a  
waste. 7 generates a tremendous amount of organic material as

that you 8 It's basically paper sludge. And I would suggest  
9 could compost 100 percent of that with no operational  
10 difficulty whatsoever as long as you had the right  
recipe. And

11 I would not expect it to cause an odor problem;  
compared to 12 another type of material, let's just say when we had  
meat

13 processing operating in Oklahoma quite a number of  
years ago it

14 was common for that industry to generate liquid  
blood, which

15 was a material that was very difficult to manage. So  
it's hard

16 to make a general conclusion.



1 over animal waste composting --

2 MR. SHEPHERD: I understand.

3 MR. ROOD: -- that's the Department of  
4 Agriculture.

5 MR. SHEPHERD: I'm just making a point  
following  
6 that up.

7 MR. LANDERS: Are these facilities  
required to  
8 have a Storm Water Prevention Plan?

9 MR. ROOD: A yard waste composting  
facility  
10 under the current rules is not required to have a  
solid waste  
11 permit, but it is required to submit for our approval  
a plan  
12 and an integral part of that plan is definitely storm  
water  
13 management.

14 MR. LANDERS: Because that's a  
concern, right?  
15 Between that and odor, I guess. That would be your  
main  
16 concern, right?

17 MR. ROOD: I think those are the --

18 MR. LANDERS: They're not landfilling  
anything.

19

20 MR. ROOD: Correct. Correct.

21 MR. LANDERS: Well, I don't want to --  
I don't

22 want to get into an issue of having to have a storm  
water plan

23 permit for each of these facilities. That's what  
kind of

24 limited us using our sludge, permitting all the time.

25 Especially around the storm water.

17

1 MR. STOUT: Since our mic's aren't  
working very

2 well, would you speak up please.

3 MR. LANDERS: Well I was just saying  
that --

4 while it's a concern, you would hate to have to --  
for these

5 facilities to have a storm water permit at each one  
of them.

6 Right? I mean as long as it's addressed in the plan  
to your

7 satisfaction, you're okay with it, right?

8 MR. ROOD: Under these rules, yes.  
But be aware

9 that the requirements for storm water plans are not  
developed

10 pursuant to our rules, they are developed under the  
Clean Water

11 Act.

12 MR. FLETCHER: They are also regulated  
by

13 usually the city limits or the city that you're in.  
They will

14 usually require you to have some type of storm water  
plan.

15 Fenton, is there anyway that you could  
actually put

16 POTW sludge in these things?

17 MR. ROOD: POTW sludge would be  
another term for

18 wastewater treatment plant sludge or biosolids. And  
the answer  
19 is yes, as long as you follow the requirements in the  
Water  
20 Rules. There are both federal and state requirements  
for --  
21 especially performance standards when you are  
composting  
22 sludge. And we have a number of cities, even in the  
23 metropolitan area here, who do that.

24 MR. FLETCHER: But it's not limited by  
volume?

25 MR. ROOD: No.

1 MR. SHEPHERD: That's some very good  
topsoil.

2 MR. STOUT: Does the public have  
questions?

3 Back to Council, any additional questions you'd like  
to ask?

4 MR. FLETCHER: Just curiosity I guess,  
but how  
5 often are compost facilities inspected?

6 MR. ROOD: Well, remember that a yard  
waste

7 composting facility does not require a solid waste  
permit, so

8 we would not inspect them nearly as frequently as we  
would a

9 landfill. Although I can tell you, for example, the  
city of

10 Norman just relocated their composting operation.  
And we were

11 very directly involved in helping them plan the site  
and we

12 have been inspecting because I was there personally  
just a

13 couple of weeks ago.

14 MR. FLETCHER: So you okay the plans  
but they're

15 not necessarily scheduled for inspections?

16 MR. ROOD: That is correct.

17 MR. FLETCHER: Does that then come  
under the



18 term trust but verify?  
19 MR. STOUT: Any additional questions  
or  
20 comments?  
21 Moving on to Item 9. Collection of  
Household  
22 Hazardous Waste at Solid Waste Management Facilities.  
Fenton.  
23 MR. ROOD: Well, what prompted our  
discussion of  
24 this topic last time is that both Kansas and Arkansas  
have  
25 rules that require Solid Waste facilities to separate  
household

standards 1 hazardous waste. They have also developed storage  
2 for those materials.

like we 3 As we looked at this issue it looks to us  
4 currently have the latitude if a facility wants to do  
something 5 like that to approve it in Oklahoma that it doesn't  
take new 6 rules. But what we have attempted to do is to put  
together 7 some guidance here on what best management practices  
would be 8 and what information should be included in a proposal  
if an 9 Oklahoma facility wanted to move forward with this.

10 MR. STOUT: Council?

they are 11 MR. FLETCHER: I guess, Fenton, really  
12 actually requiring it in other states that you  
13 separate it. And Oklahoma is taking the position  
right now 14 that it is going to be voluntary, correct?

15 MR. ROOD: That is correct.

16 MR. STOUT: Does the public have any  
questions 17 or comments?

18 Again, the Council?

19 All right. Item 10. Discussion of adding  
20 requirements for gas monitoring at  
construction/demolition

21 landfills. Fenton.

22 MR. ROOD: Mr. Chairman, this was an  
issue that

23 we brought to your attention after a number of us  
learned of

24 some very significant problems with  
construction/demolition

25 landfills experienced in other states. And it seemed  
to us

logical 1 that requiring for the monitoring of methane gas was  
2 given the fact that a large percentage of what a  
3 construction/demolition waste landfill would receive  
is organic 4 in nature. And so we have proposed adding these  
requirements.

5 MR. STOUT: Council?

6 MR. TRIPLETT: Is this just on new  
facilities,  
7 Fenton, or would this be grandfathered in? I mean  
these  
8 facilities that are now in operation have to go in  
and add  
9 these gas monitoring wells.

10 MR. ROOD: As it's currently drafted  
this would  
11 apply to all existing facilities as well as new  
facilities. So

12 for those of you on the Council who currently operate  
13 landfills, they would be doing the same procedures  
that you all  
14 currently do.

15 MR. TRIPLETT: And we only have, like,  
two of  
16 these C and D landfills in the state, is that what we  
learned  
17 last time?

18 MR. ROOD: Off of the top of my head I  
can think

19 of four and I hear other people suggesting there may  
be as many

20 as eight or ten.

21 MR. STOUT: Public? Council?

22 MR. MCCULLOUGH: I think the comment  
was that

23 there has been other states that have experienced the  
necessity

24 to monitor for methane gas in these C and D land  
sites or

25 landfills. Has there been a need seen for that here  
in the

1 state of Oklahoma?  
2 MR. ROOD: The first thing I would  
like to  
3 stress is that we're not aware of any existing  
significant  
4 problems in Oklahoma created by  
construction/demolition  
5 landfills. A number of us attended a meeting  
recently of our  
6 national colleagues where one of the case studies  
that we  
7 looked at was a problem serious enough to involve the  
agency  
8 for toxic substances and disease control. It was a  
significant  
9 local public health problem. Now, admittedly, it was  
created  
10 by disposal of disaster debris but it was still a  
very  
11 significant problem to the people who lived in that  
12 neighborhood.

13 It occurred to us that this type of  
monitoring was  
14 probably the cheapest insurance that we could add to  
our  
15 Oklahoma system to try to mitigate against us having  
those  
16 kinds of problems.

17 MR. MCCULLOUGH: If I understand it  
correctly,

18 the current -- what is actually regulated to go into  
there it's

19 already being monitored to prevent accumulation of  
methane gas.

20 Is that not a true statement? Are we not monitoring  
what is

21 actually going into the C and D sites to prevent  
that?

22 MR. ROOD: It's a partially true  
statement. We

23 monitor what goes into a construction/demolition  
landfill but

24 remember a number of construction and demolition  
materials are

25 organic in nature. And what happens when we put  
anything

1 organic in a landfill environment where we have lack  
of oxygen,  
2 then decomposition occurs and the microbes that  
promote that  
3 decomposition produce methane as a byproduct. And in  
the  
4 landfill industry we literally learned about that by  
blowing  
5 people up. So it's a definite safety issue and it's  
also  
6 becoming an air quality issue.

7 MR. FLETCHER: If they are required to  
put in  
8 these methane probes around their landfills, are they  
also  
9 going to be required to do the sweeps?

10 MR. ROOD: The way I read the current  
language,  
11 it simply extends the requirements for municipal  
solid waste  
12 landfills like you operate under, to  
construction/demolition  
13 landfills. So is a sweep part of your operation  
plan?

14 MR. FLETCHER: Yes. You've got to do  
a sweep  
15 with the monitoring to make sure that the methane gas  
doesn't  
16 escape from that (inaudible). So it's a different  
recovery



17 requirement, probably.

18 MR. MCCULLOUGH: Are those cover  
restrictions

19 going to be as strict as they are now on the solid  
waste

20 landfills?

21 MR. ROOD: We're not proposing any  
changes to

22 the recovery requirements. And for a  
construction/demolition

23 landfill they cover weekly compared to daily for a  
municipal

24 solid waste landfill.

25 MR. FLETCHER: I may have misstated  
it, I'm not

1       sure whether it would be included in here or you're  
just going

2       to go for the probes on the outside of it or not.  
I'd have to

3       go back and look.

4                               MR. ROOD:  The probes on the perimeter  
would

5       definitely be the first place to start.

6                               MR. FLETCHER:  Has it been your  
experience that

7       if they are active doing this in other states that  
they may be

8       required to put in gas recovery systems if they  
exceed the 25

9       (inaudible)?

10                              MR. ROOD:  If we identify a gas  
problem, that

11       would certainly be the intent.

12                              MR. SHEPHERD:  There's a couple of C  
and D sites

13       that have had to put in gas systems in the  
surrounding states.

14       What makes it difficult here is that our C and D  
landfills

15       don't have a leachate collection system, so the water  
just

16       pools in there.  And then you just have the organic  
waste in

17       the water, the next thing you have is methane.

18 MR. FLETCHER: Would it make more  
sense to

19 regulate the leachate system than the whole site?

20 MR. SHEPHERD: Possibly.

21 MR. FLETCHER: You'd have to put those  
in before

22 the site is built, so if they are already built now  
you've got

23 a big problem. The only thing you can do now is put  
the pumps

24 that are inside the methane wells themselves if  
you're not

25 going to install those. Other than that, you're not  
going to

1 get the leachate out of it.

2 MR. SHEPHERD: If you look at long-  
term cost,

3 maybe it's better to extract the leachate that's in  
there

4 versus a gas system. I don't know. But I think it's  
going to

5 be an interesting situation moving forward for some  
of the C

6 and D sites.

7 MR. LANDERS: Have you heard anything  
from them

8 regarding the C and D landfills, are they even aware  
this is

9 working?

10 MR. ROOD: I heard informally from one  
C and D

11 operator that they were sufficiently concerned that  
they've

12 already tested.

13 MR. TRIPLETT: (Inaudible).

14 MR. FLETCHER: Well really all the  
well is going

15 to do is detect (inaudible) your property limits at  
that point

16 then they are going to kick you into actually making  
sure that

17 it doesn't get that far, it's just kind of a  
detection system.

18 And typically, you can't just pump it out of that  
well, it's

19 more of a little pipe that goes down in the ground  
and you're

20 measuring it and it's already gotten that far but  
they're not

21 made to actually pump it out of the ground, you have  
to get it

22 out of the waste itself.

23 MR. ROOD: So again the monitoring is  
our early

24 warning system. And if you find gas in the well,  
then that

25 tells you that you need to look at your operation and  
try to

1 determine the source and whether or not you've got a  
2 significant problem.

3 MR. STOUT: Questions from the public?  
4 Public Forum, Number 11 on your Agenda.

5 MR. CAVES: I didn't see anybody else  
stand up  
6 so I wanted to come up here so that would be  
something.

7 One thing that wasn't on the Agenda but  
just FYI as  
8 much as anything else, is meeting dates for next  
year.

9 What we're looking at currently is:  
January 21st;  
10 April 15th; July 15th; and September 16th. And the  
two things  
11 we're working around there is mainly Myrna's schedule  
and then  
12 kind of along the same lines of when we normally  
meet.

13 The one thing that does have to happen for  
sure is  
14 the January 21st meeting because the Environmental  
Quality  
15 Board meets February 26th, that's their first meeting  
of the  
16 year. So when our rules come up and if you take  
action in  
17 January, there's time for them to go to the Board for  
approval.

18 MR. MCCULLOUGH: Can you repeat those  
dates

19 again one more time, please.

20 MR. CAVES: Yes. One more time.  
January 21st,

21 April 15th, July 15th and September 16th. The  
Council doesn't

22 take any action on approving those but the Agency  
does have to

23 send all of our Council and Board dates over to get  
published

24 for the next year, and that goes over in December, so  
we just

25 wanted to make sure those were taken care of prior to  
the

1 December deadline.

2 Are there any questions on those dates?  
Thank you.

3 (Comments)

4 MR. STOUT: All right. New Business.  
Hearing

5 none, the meeting is adjourned.

6 (Council Meeting Concluded)

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Reporter in

I, CHRISTY A. MYERS, Certified Shorthand

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CHRISTY A. MYERS, C.S.R.

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