

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

WATER RESOURCES COMMISSION
Report of the third regular meeting held by the
Water Resources Commission
on Tuesday,
December 3, 2013 in Baton Rouge, Louisiana.
1:00 P.M.

LaSalle Building - First Floor
LaBelle Room
617 North 3rd Street
Baton Rouge, Louisiana 70802

The Department of Natural Resources
Office of Conservation

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

IN ATTENDANCE:

MEMBERS OF THE WATER RESOURCES COMMISSION:

VINCE SAGNIBENE, LOUISIANA DEPARTMENT
OF ENVIRONMENTAL QUALITY, ACTING CHAIR

HON. JAMES WELSH, COMMISSIONER OF OFFICE OF
CONSERVATION

KYLE BALKUM, LOUISIANA WILDLIFE & FISHERIES
HON. GLENN BRASSEAU, MAYOR OF CARENCRO

JONATHAN "JAKE" CAUSEY, LOUISIANA DEPARTMENT
OF HEALTH & HOSPITALS

PAUL FREY, LOUISIANA LANDOWNERS ASSOCIATION
KAREN GAUTREAU, LOUISIANA LEAGUE OF WOMEN VOTERS,
LOUISIANA WILDLIFE FEDERATION, AND THE
COALITION TO RESTORE COASTAL LOUISIANA

EVE K. GONZALEZ, LOUISIANA PUBLIC SERVICE
COMMISSION

JERRY V. GRAVES, LOUISIANA PORTS ASSOCIATION

CHARLES KILLEBREW, PH.D., THE GOVERNOR'S OFFICE OF
COASTAL ACTIVITIES

CHRISTOPHER KNOTTS, PE, F.ASCE, LOUISIANA
DEPARTMENT OF TRANSPORTATION AND
DEVELOPMENT

* * *

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

IN ATTENDANCE: (CONTINUED)

MEMBERS OF THE WATER RESOURCES COMMISSION:

PAUL "JACKIE" LOEWER, THE GEOLOGICAL AREA OF THE
STATE UNDERLAIN BY THE CHICOT AQUIFER
SENATOR GERALD LONG, CHAIRMAN, SENATE COMMITTEE ON
NATURAL RESOURCES

EUGENE H. OWEN, THE CAPITAL AREA GROUNDWATER
CONSERVATION DISTRICT

JIM PRATT, EXECUTIVE DIRECTOR OF THE SABINE
RIVER AUTHORITY

PAUL SAWYER, LOUISIANA DEPARTMENT OF ECONOMIC
DEVELOPMENT

JIM WELSH, OFFICE OF CONSERVATION

LINDA G. ZAUNBRECHER, LOUISIANA FARM BUREAU

WATER RESOURCES COMMISSION STAFF:

JOHN ADAMS - STAFF ATTORNEY, CONSERVATION
GARY SNELLGROVE - DIRECTOR, ENVIRONMENTAL
DIVISION

MATTHEW REONAS - EDUCATION AND MARKETING
REPRESENTATIVE

* * *

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

SPEAKERS :

MATTHEW REONAS - DNR EDUCATION AND MARKETING
REPRESENTATIVE

JONATHAN "JAKE" CAUSEY - NEW WATER SYSTEM REQUIREMENTS

PUBLIC COMMENTS BY:

JOHN HILLMAN

REPORTED BY:

ESTELLA O. CHAMPION, CRR,
BATON ROUGE COURT REPORTERS

* * *

Water Resources Commission Meeting
December 3, 2013

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

	INDEX	PAGE
	ROLL CALL	6
	INTRODUCTION OF KAREN GAUTREAU	8
	ADOPTION OF MEETING SUMMARY FROM JUNE 5, 2013	8
	REVIEW OF THE 2013 WORKSHOP, COMMENTS AND	8
	REVISED SCOPE OF SERVICES - MATTHEW REONAS	
	PROGRESS REPORT ON 2012 RECOMMENDATION	20
	HOUSE CONCURRENT RESOLUTION NO. 150 BY MATTHEW REONAS	
	NEW WATER SYSTEM REQUIREMENTS -MR. CAUSEY	37
	PUBLIC COMMENTS	50
	REPORTER'S CERTIFICATE	59

* * *

1 CHAIRMAN SAGNIBENE: I'd like to call this
2 Water Resources Commission meeting into order, please.

3 Commissioner Chairman Angelle asked me
4 to sit in for him today. He has been under the
5 weather, and that's a change for Scott because he's
6 usually here, a tough guy.

7 Without further ado, I would like to
8 call roll, please.

9 MR. ADAMS: Yes, sir.

10 Let me know if you're here when I call
11 your name.

12 Commissioner Scott Angelle?

13 Kyle Balkum?

14 MR. BALKUM: Here.

15 MR. ADAMS: Glenn Brasseaux?

16 MR. BRASSEAUX: Here.

17 MR. ADAMS: Jake Causey?

18 MR. CAUSEY: Present.

19 MR. ADAMS: Mark Davis?

20 Representative Gordon Dove?

21 Paul Frey?

22 MR. FREY: Here.

23 MR. ADAMS: Kerry Gautreaux?

24 MS. GAUTREAU: Here.

25 MR. ADAMS: Eve Gonzalez?

1 MS. GONZALEZ: Here.
2 MR. ADAMS: Jerry Graves?
3 Charles Killebrew?
4 MR. KILLEBREW: Here.
5 Christopher Knotts?
6 MR. KNOTTS: Here.
7 MR. ADAMS: Hal Leggett?
8 Jackie Loewer?
9 MR. LOEWER: Here.
10 MR. ADAMS: Senator Gerald Long?
11 SENATOR LONG: Here.
12 MR. ADAMS: Ted McKinney?
13 Eugene Owen?
14 MR. OWEN: Here.
15 MR. ADAMS: Jim Pratt?
16 MR. PRATT: Here.
17 MR. ADAMS: Michael Rooney?
18 Vince Sagnibene?
19 CHAIRMAN SAGNIBENE: Here.
20 MR. ADAMS: Paul Sawyer?
21 Brad Spicer?
22 Commissioner Jim Welsh?
23 COMMISSIONER WELSH: Here.
24 MR. ADAMS: Linda Zaunbrecher?
25 MS. ZAUNBRECHER: Here.

1 MR. ADAMS: Mr. Chairman that is sufficient
2 for a quorum, so we do have a quorum.

3 CHAIRMAN SAGNIBENE: Thank you very much.

4 I would like to introduce our newest
5 member of the Groundwater Commission, Ms. Karen
6 Gautreaux.

7 Karen?

8 MS. GAUTREAU: Thank you.

9 CHAIRMAN SAGNIBENE: I would like to move for
10 an adoption of the previous minutes.

11 Jim?

12 MR. PRATT: So moved.

13 CHAIRMAN SAGNIBENE: Thank you.

14 Our next item on the agenda is Review of
15 the 2013 Workshop Commitments.

16 Matthew?

17 MR. REONAS: Yes. Thank you, Mr. Chairman.

18 If we can get somebody to run the slides
19 real quick?

20 Again, I would like to I guess start
21 with this, with giving a recap of the workshop we had
22 back in October.

23 Overall we thought that was a very good
24 program. We had approximately 80 people in attendance.
25 We took all those comments, posted the combined

1 comments, the workshop summary, and all the relevant
2 documents online; and they are still online at the
3 Groundwater Resources Program website.

4 We forwarded that link to approximately
5 700 interested parties on the Water Resources
6 Commission distribution list that we maintain, and we
7 took additional comments for the next two weeks. We
8 received about a half dozen additional comments, both
9 written and by electronic communication.

10 Overall there was a real strong
11 consensus for an inventory of available data. That was
12 one of the major points that came through very loud and
13 clear, that we needed to understand what resources,
14 what information we had available, what data was
15 available and what was missing.

16 There was also a great interest in what
17 the projected, current and projected demand would be,
18 so that too we took into consideration, and also what
19 are the available water resources. There was also
20 strong interest in regional and watershed issues,
21 understanding individual needs; also strong interest in
22 expanded review of the legal and management matrix of
23 water resources here in Louisiana. As well there was
24 an emphasis on including a stronger focus on
25 environmental and wildlife conservation, as well as the

1 need to take into account sort of emergency situations,
2 such as floods or drought years, and having a
3 flexibility in any kind of management program that
4 could account for those issues.

5 So after reviewing all the compiled
6 comments, including from the Water Resources
7 Commission, the advisory task force, private citizens,
8 interested parties, we revised a proposed scope of
9 services. And you should have a copy, should have
10 received a copy of that by email, each member, but
11 there's also a copy in your file folder. And what I
12 would like to do here is run through sort of the
13 relevant changes that we made in preparation of
14 basically finalizing this document for consideration.

15 CHAIRMAN SAGNIBENE: Matthew, this was a
16 result of the comments, the changes you made?

17 MR. REONAS: Yes, sir.

18 Overall there was -- in looking at the
19 comments and taking the comments from the workshop, I
20 think there was a strong consensus that this document
21 was pretty close. And so really, what I focused on,
22 and in consultation with other staff members what we
23 looked at was really focusing the language to be much
24 more specific and including some different points that
25 were brought to our attention, so that's really what we

1 did with this document. And I want to go through those
2 sort of piece by piece and explain sort of the changes
3 in language and any additional points that were
4 especially relevant.

5 And I apologize, we usually have an
6 extra screen here, but we seem to have lost one of our
7 cables. So I do apologize for the commission members
8 having to turn around. But you should have a copy of
9 it right here in your folders as well.

10 So as we began, the changes overall were
11 fairly minor. Here we wanted to provide a stronger
12 emphasis on stewardship and sustainability, which came
13 through in many of the comments that we took over and
14 over again. "Stewardship" and "sustainability" were
15 words that were utilized, so we really wanted to
16 emphasize that any sort of planning scope should focus
17 on those points: Stewardship of the resource and
18 sustainability of the resource.

19 Further down -- and these again are sort
20 of the background, the purpose, sort of introductory
21 paragraphs to the water document -- we included a note
22 on environmental and wildlife conservation as being a
23 major goal. That was I think a more oversight on our
24 part, certainly we didn't mean to leave that out; but
25 we were reminded of the importance of conserving the

1 environment and conserving wildlife, so that definitely
2 needed to go in there and we made that change as well.

3 And then down here, the last sort of the
4 introductory paragraph is a new one. We just basically
5 gave sort of a recap of the workshop itself and the
6 comment period and what sort of gave us the impetus to
7 revise this Draft Scope of Services.

8 Next slide, please.

9 Next, Phase I, which again, this Draft
10 Scope of Services would have been more of an assessment
11 of Louisiana's water budget.

12 "Water budget" or the term "budget"
13 seemed to cause some discomfort or a sense that it was
14 too vague, not clear enough; and so I really, in
15 revising this document, I looked strongly at that and
16 we talked about it a good bit, about whether a "water
17 budget" is the right term. So we struck that. I put:
18 Planning Tools, Water Resource Demand and Water
19 Resource Viability in Louisiana, which seemed to cover
20 all the major points without getting into the
21 technicalities of what exactly a budget was and what of
22 the budget could be balanced. And that was something
23 that was brought to our attention in many of the
24 comments about whether or not a water budget applied
25 specific balancing of these different needs and demands

1 and whether or not that could actually be accomplished.
2 So perhaps in this Draft Scope of Services, it was
3 better just to focus more on the planning tools that
4 were available, what the demand was currently, what the
5 demand was going to be, and what the resource
6 availability is and will be in the foreseeable future.
7 So that's essentially Phase I.

8 One of the other key points that was
9 brought up quite repeatedly was the need for an
10 inventory of the water data that's currently available
11 and any gaps in that data: What's missing, what
12 information is out there, how can we sort through it,
13 how can we collate it, make it relevant, and what is
14 not available, what are the major gaps in our knowledge
15 of water resources in the state, what data is
16 unavailable to us or simply missing.

17 And so that was something that we put as
18 number one and added a new point in this Draft Scope of
19 Services: Point number one, to identify sources of
20 water quality and quantity information, and any gaps in
21 data that may have a substantial impact on planning,
22 and to provide recommendations on how to account or
23 project for the absence of such data or otherwise
24 remedy such deficiencies.

25 And I think that met the need that a lot

1 of the commission members and task force members and
2 citizens had brought to our attention; that, look, we
3 need to know what the information that is available is;
4 we need to have a firm understanding of what data we
5 have before we can really even begin the process of
6 planning.

7 Further down we included again a note on
8 the need to focus a lot of this research and planning
9 on region and watershed. There was a lot of commentary
10 from commission members, from task force members, from
11 private citizens and interested parties, on the need to
12 maybe not look at a statewide program, but to have a
13 stronger regional focus -- which of course would
14 probably be by watershed or by aquifer -- and so
15 consistently throughout this document we added
16 additional language that focused on region and
17 watershed, to try and break that down a little bit
18 further than by state, and that seemed to again sort of
19 fit that need that was pointed out to us.

20 Further down, 2b, Assess the projected
21 impact of these coastal restoration demands on the
22 allocation of the state's water resources for all
23 projected uses. We also added some language on, "for
24 economic development or navigation needs, and for
25 sustaining ecological systems" -- which again sort of

1 fit the need from a language perspective of some of the
2 commentary we have received -- that not all of the
3 demands for water were going to be able to be met, and
4 we needed to have a clear understanding of what those
5 demands, conflicts were going to be, including for a
6 variety of different activities: Economic development,
7 navigation of rivers, and then of course for
8 environmental or ecological issues. So we added that
9 language as well.

10 Next slide, please.

11 Again, here we added some additional
12 language on sustainability issues and the impact of
13 sustainability issues upon demand, or of demand on
14 sustainability; that is, Can this demand be sustained
15 into the future? What are those issues, areas where
16 sustainability is a major issue? And can that demand
17 be sustained into the future? We thought that was
18 again something we needed to refocus some of the
19 language upon to make it a little bit more clear.

20 And then here we added some additional
21 language, looking at projections of supply, oversupply
22 and undersupply, by region and/or watershed to again
23 maybe take the focus a little bit away from the state
24 and focus a little bit more on regional issues and
25 watershed issues within sort of a larger state

1 framework.

2 Again region, region was a big, a big --
3 region was something that came up frequently in the
4 commentary, so we figured we probably needed to address
5 that a little bit more robustly in the Draft Scope of
6 Services.

7 We added some additional, an additional
8 point here on planning for economic growth in emergency
9 situations. That was a point that was brought up to
10 us, the need to plan for contingency issues,
11 contingency planning -- years of drought, flood years,
12 any kinds of major sort of economic booms that might
13 disrupt what an otherwise normal water use situation --
14 that any sort of planning needed to have that kind of
15 flexibility in place to address availability and
16 sustainability issues.

17 And then in Section 3d here, again there
18 was a considerable amount of commentary on the need to
19 expand and review the legal and management framework.
20 We had sort of I think initially in the language -- the
21 initial language for this Draft Scope of Services had
22 just focused more on planning within the current legal
23 structure. But over and over again in the commentary
24 there was a need, there was interest in looking at the
25 big picture of the state's water law and water

1 management programs; and so we added that language in
2 there to try and meet that need.

3 4e, again what was pointed out to us --
4 this is dealing with understanding our water resources
5 that are shared with other states -- we just added some
6 language to clarify that, to clarify the availability
7 of Louisiana shared water resources. I think the
8 initial language had basically focused on what
9 Louisiana's rights to that water were. And one of the
10 commissioners had pointed out that we should probably
11 try to understand what the availability of that water
12 resource is as well as understanding Louisiana's rights
13 to it, so again some language to try and clarify the
14 meaning.

15 Next page please, Gary.

16 Phase II, Planning and Allocation.
17 Really only one major change to point 1 there: Provide
18 recommendations on developing a -- I have "strategic
19 interface." I kind of chuckled. It was probably a
20 little vague, and that was pointed out to me as being
21 too vague. And so we changed it to being a flexible
22 prioritization or budgeting program.

23 I don't know if that makes it any more
24 precise, but I feel like it provides a little more
25 definition at the very least. And again this section 2

1 was really all about planning and allocation, and that
2 focus again should be on stewardship and
3 sustainability. And so we hit that point again as well
4 in sort of conceiving of a flexible program,
5 prioritization or budgeting program.

6 Beyond that, that was really the gist of
7 the changes that we made to this document. And again,
8 they were all compiled -- Mr. Chairman, as you know, as
9 I commented earlier -- from the comments that we took
10 at the workshop, from the commission's advisory task
11 force, very good comments all around, and very
12 strident, many of the comments, and passionate, and
13 then of course from the comments that we took after the
14 workshop, as well on this document and the workshop and
15 the summary of the documents associated with it.

16 So at this point again, you all should
17 have a copy of the original resolution from June, along
18 with a copy of this Revised Scope Of Services again as
19 the commission support and staff agency were here to
20 pursue this as needed.

21 CHAIRMAN SAGNIBENE: Matt, seemed like you
22 did a very good job in incorporating comments and
23 making this document user friendly.

24 I suggest that we finalize this as
25 something and submit it to the Chair.

1 MR. REONAS: We can certainly do that, yes,
2 sir.

3 CHAIRMAN SAGNIBENE: Thank you.
4 Karen?

5 MS. GAUTREAU: I just wanted to take a
6 minute to thank Matt and the staff that put such a
7 tremendous effort into preparing for the workshop and
8 the great participation that we had from many of the
9 members of the commission, the advisory task force and
10 the public.

11 I think it was a very good overview of
12 where we were, where we are now, where we need to get
13 to. I think embedded, especially our two elected
14 officials, among those elected officials there, Senator
15 Long and Commissioner Angelle mentioned how incredibly
16 important the public outreach component is going to be
17 to accomplish all of these things that you've listed.

18 And to that end, as a reminder and a
19 request to all of the representatives we have from our
20 different sectors, that we're going to be needing to
21 work hard throughout this process to make sure we're
22 engaging who we're representing. And what I would
23 suggest -- and we can discuss it later or before -- is
24 that we actually maybe form a working group to help as
25 you are moving along in terms of implementing things,

1 to make sure we're getting that outreach throughout the
2 process, so that we all understand how important water
3 policy is. And it will be very helpful and useful to
4 have input from the public and support throughout the
5 state by the time we get ready to pass something.

6 Thank you.

7 CHAIRMAN SAGNIBENE: Thank you, Karen.

8 I think that was some good comments. I
9 know you put a lot of hard work in this matter, and I
10 appreciate it and thank everybody else who helped you
11 along.

12 Next item, house bill -- House
13 Resolution No. 150.

14 MR. REONAS: Yes, sir, I can get to that.

15 Could we go through the regular progress
16 report? I guess that's at the end of it, HCR 150.

17 CHAIRMAN SAGNIBENE: Yeah.

18 MR. REONAS: Okay. Excellent.

19 Really I would like to just sort of go
20 through a review of some of the, or progress report of
21 some of the major issues that we've been dealing with
22 and that are out there and that are relevant really to
23 the Water Resources Commission. Many of these were
24 highlighted, of course, in the 2012 Interim Report to
25 the Legislature, and then we went through these; and to

1 update, we provided this past June on many of those
2 issues.

3 The first one that I would like to sort
4 of give an update on is the USGS Department of Natural
5 Resources Groundwater Monitoring Network. As you know,
6 earlier this fall there was a federal government
7 shutdown, but that doesn't appear to have impacted the
8 monitoring program at all or in a very minimal way. I
9 talked with USGS. I think in some cases the sampling
10 regime was moved back a little bit, but overall it's
11 still very much on track. I'm meeting actually later
12 on this week to review the most recent quarterly
13 update, and so I'll provide sort of an update on that
14 to the commission after that meeting.

15 I would like to point out that the
16 current, the current data is all available at these
17 assorted websites. You can actually go by parish,
18 search by well, search by parish or well or resource,
19 water resource. It will provide data on groundwater
20 levels, on chloride and other water quality data.

21 And most interesting, the 2012 water use
22 numbers that are available -- which is sort of point 3
23 right up here, point 3 right there (indicating) -- the
24 water use data for the state has just been posted.
25 Evidently there was about a 4 percent increase in water

1 use in 2012 over 2010. And this is part of the larger
2 project, to do annual water use summaries instead of
3 every five years. So I think this will be a very
4 useful part of the program in terms of keeping a little
5 bit better tab on what water use is on a year-to-year
6 basis. So again, about 4 percent increase in 2012 over
7 the 2010 numbers in groundwater. That translated to
8 about a 5 percent increase; in surface water, about a
9 3.6 percent increase.

10 I went through and looked at numbers.
11 Again you can go, commissioners and task force members,
12 interested parties can all go there and pull it down by
13 parish, by source, by groundwater or surface water. So
14 it's very user friendly in that regard.

15 But I guess some key stats or key
16 highlights: Rice irrigation, use of groundwater was
17 down from about 486 million gallons a day to 412.

18 General irrigation using groundwater was
19 up from about 183 million gallons a day to 234.

20 Groundwater aquaculture up from about
21 197 to 282, and use in industry of groundwater was up
22 from about 244 to 253 million gallons a day.

23 It looked, it appeared that most of the
24 surface water increase came in power generation, about
25 400 million gallons a day increase from 2010 to 2012.

1 And you can go to the next one.

2 The network is available online as well.

3 You can go to the --

4 I'm sorry, Teri, could you go back one
5 more.

6 The groundwater level network is
7 available at this website (indicating). And then it
8 will bring you basically to this screen shot right
9 here, which is sort of an interactive map of the state
10 showing the expanded network.

11 As you'll see, a lot of the wells are
12 colored gray. That simply means that there aren't
13 enough data samples, water level measurements for USGS
14 to rate these wells at this point. So again, to me,
15 that points out really the extreme need in this state
16 for an expanded network. I mean, if you look at large
17 swaths of the state where these wells are located,
18 these wells that are colored gray were basically
19 unrepresented or underrepresented in previous years.
20 So really we have a greatly expanded water level
21 measurement network in place now.

22 And again you can go -- it's actually
23 neat if you go to the website. It will pull up all the
24 information. In some cases I was looking at some of
25 the wells. Some of the wells are actually measured as

1 early as the 70s or 80s, but then there are big gaps in
2 the years. So you can actually see the 1970s or 1980s'
3 measurements and a huge gap throughout the 90s and most
4 of the 2000s before this program began measuring again.
5 So it's really a fascinating sort of look at each one
6 on an individual basis.

7 And of course something to point out,
8 they will have a map showing you where the well is and
9 of course all the relevant data to go along with it.
10 So all this stuff is again online, available for search
11 or to look at.

12 Okay. I would like to kind of give a
13 brief overview of where we're at in the Office of
14 Conservation with our education program.

15 We're continuing to work with the Baton
16 Rouge Area Foundation on the Water Monitor BR Effort.
17 We actually were able to work with the Department of
18 Environmental Quality utilizing their Beneficial
19 Environmental Project Program. We were able to get
20 some additional funding through that resource, which I
21 think is a great, great way that shows cooperation
22 between the agencies on sort of common goals.

23 And this spring we're going to expand
24 our curriculum. We're going to have some additional
25 training workshops for teachers, and we're going to do

1 some expanded public outreach on water issues here in
2 East Baton Rouge, particularly the importance of
3 groundwater, saltwater encroachment, those sort of
4 issues. Again that's sort of a follow-up of a lot of
5 the work we did earlier this year.

6 Statewide, I'm developing a science
7 teacher survey. One of the things I would like to
8 try -- and I've had several conversations with
9 different people to date. One of the things I would
10 like to do is try and get a much more comprehensive
11 water resource management curriculum in place, but what
12 I really feel like I need is a survey. I need to
13 understand what's being taught in the classroom right
14 now.

15 I've done a lot of work here in East
16 Baton Rouge and have sort of a feel for what's going on
17 here locally, but I'm really not sure what's going on
18 at the state level. What I would like to get is a
19 survey that kind of gives me some data, some
20 measurements on what's being taught statewide; and then
21 perhaps from there I can make a case for a much broader
22 program and tap into some funding utilizing those
23 numbers.

24 We also were looking very strongly at
25 doing two, two similar campaigns to what we did here in

1 East Baton Rouge: One in west Louisiana, in Caddo
2 Parish and those surrounding parishes, and then the
3 other in the Sparta area, Sparta district.

4 Sparta in particular has done a lot of
5 hands-on work with elementary school kids. What we
6 would like to do is perhaps try to work with them and
7 collaborate with them on doing a curriculum and some
8 training at the middle school and high school level,
9 which is where we sort of focused our efforts to date.

10 Of course Caddo is interesting -- we're
11 in the midst of sort of raising money to do some work
12 there when --

13 We'll go to the next slide, Teri.

14 This past spring and summer, when we
15 started actually seeing the pretty major declines in
16 groundwater levels -- of course the Carrizo-Wilcox
17 aquifer in South Caddo was the primary source for many
18 households, primary source of drinking water for many
19 households in that area. And beginning in late June,
20 July, August, basically that area had no rain at all.
21 And we actually had moved into, by early September I
22 think it moved into like a level 3 or extreme drought
23 on the U.S. drought monitors, drought watch website by
24 their rating.

25 So we actually had some funding in

1 place. And again you can see the declines here in
2 August -- beginning in late June, July, into August,
3 very steep declines. And that's what we were staring
4 it. I know that Caddo Parish also had a burn order in
5 place. But we were very concerned because, again,
6 although this was very normal in terms of its cyclical
7 nature -- kind of up and down, up during the winter
8 months, down during the summer -- this was a very steep
9 decline.

10 We were talking very closely with Gary
11 Hanson with the Red River Watershed Management
12 Institute who has a set of wells that he monitors, as
13 well as USGS wells right here (indicating). Again we
14 were seeing very steep declines. And we went ahead and
15 utilized some of the funding that we had available to
16 do an outreach effort into South Caddo --

17 Teri.

18 -- which included a mail-out, this
19 mail-out which you have a copy of in your folder, a
20 mail-out to approximately 4500 homes in the area, a
21 media outreach to TV, radio, newspaper. We revamped
22 our South Caddo website, and then we emphasized
23 particularly education about the resource. Much of
24 this material that we sent out was educational about
25 the groundwater emergency order that's been in place

1 going on over two years now in that area; but we also
2 wanted to educate people about the nature of the
3 resource itself, the Carrizo-Wilcox aquifer, to provide
4 people some understanding that this is an issue that's
5 probably going to be continuing into the future.

6 In wet years it's not going to be an
7 issue. In particularly dry years or years of
8 drought -- which we've had two pretty serious droughts
9 the past 15 years -- it's probably going to be an issue
10 and will continue to be an issue.

11 It also gave us the opportunity to
12 investigate the Office of Community Development over in
13 the Division of Administration. They have a couple of
14 programs, the Local Government Assistance Program and
15 the Community Water Enrichment Fund, which provide
16 funding to local parishes and municipalities for water
17 infrastructure projects. And so we did some research
18 with those guys over there. It's actually a really
19 great program, provides about \$150,000 per parish.
20 It's basically free money; there's no match, although a
21 lot of parishes and municipalities use is at a match
22 for larger federal grants. And both of these programs,
23 the LGAP and the Community Water Enrichment Fund, both
24 of these can used for water infrastructure projects.

25 In particular, when we were looking at

1 South Caddo, there were two communities -- Mount
2 Pleasant community and then the Mayo Road community --
3 which are really close to Shreveport, the city of
4 Shreveport's water system and could be linked in
5 fairly, fairly easily -- this was pointed out to us by
6 Gary Hanson, again with the Red River Watershed
7 Management Institute at LSU Shreveport -- that these
8 areas, that these communities could be linked in very
9 easily. So we provided all this information to Gary,
10 and we provided all of it to the Caddo commission as
11 well just to try to keep them in the loop.

12 I believe they had some water enrichment
13 fund projects underway. I don't believe they had any
14 Local Government Assistance Program projects underway.
15 But again, it was educational for us in terms of what
16 this money is and what it can be used for. And again,
17 the Community Water Enrichment Fund actually has an
18 emergency, an emergency pod of money that can be
19 tapped. It has to meet a certain -- situations have to
20 meet certain emergency criteria; but in case of, you
21 know, a pump on a well goes out or several other
22 criteria that could be met, communities can tap into
23 that emergency fund as well; which again, 30 or 40 or
24 \$50,000 could be a lifesaver for many small
25 communities.

1 Okay, Teri.

2 And then I would like to kind of give a
3 recap on where we are with issues here in East Baton
4 Rouge, in particular Capital Area aquifers and
5 saltwater encroachment.

6 Primarily the Office of Conservation has
7 been working with the Capital Area Groundwater
8 Conservation Commission. We've been monitoring their
9 work very closely. There has been a lot of, there has
10 been a lot of activity, a lot of action this past year.
11 We would like to extend our thanks to outgoing Chairman
12 Joey Hebert for all his hard work. Office of
13 Conservation and the Capital Area District, we signed a
14 memorandum of understanding earlier this year to
15 provide -- so did the Office of Conservation and DNR,
16 to provide technical and communication assistance if
17 needed in the future.

18 In response to a letter we sent earlier
19 this year, Capital Area formed a subcommittee to begin
20 a long term planning based on the USGS models, the
21 greatly anticipated USGS models that also came out this
22 summer.

23 I just was at a meeting this morning and
24 those models were officially cleared for publication
25 last week it was reported. So of course the USGS

1 models on the 1500 and 2000-foot sands were released
2 earlier this summer for use, but they didn't have --
3 they weren't okayed for official publication until
4 evidently this past week, which is normal. So those
5 models are in place now and work is continuing to
6 expand those models.

7 Capital Area secured additional funding
8 for modeling the remaining sands in the Baton Rouge
9 area, the remaining aquifers in the Baton Rouge area
10 over the next ten years. So there's a lot of work
11 that's been done over this past year.

12 Still our interest from the Office of
13 Conservation standpoint is in sustainability. You have
14 in your files a recent letter we sent to the Capital
15 Area outlining our continued interest and concern in
16 finding a long term solution to saltwater encroachment.
17 Again, this is a problem that's evolved over the past
18 50 years. It's not a problem that's going to go away
19 tomorrow or steps that we can take today that will
20 solve the problem immediately; but again, from our
21 standpoint, there is a need to have an aggressive
22 management timetable in place that we can move forward
23 with. And that's really our interest in working with
24 Capital Area as we go into the next year.

25 Okay, Teri.

1 And last on this list is sort of a
2 progress report on HCR, House Concurrent Resolution No.
3 150. We sent out to the Commission members a copy of
4 this report, this draft report because, in the
5 resolution, the resolution asked that the Office of
6 Conservation consult with the Water Resources
7 Commission to study, report and make recommendations on
8 the availability of well drillers, water well driller
9 licensing requirements, and the impact on rates charged
10 for drilling water wells.

11 Primarily much of this research centered
12 on: We ran a survey, we ran a survey with water well
13 drillers in the state. We did some additional research
14 with the USDA. We consulted with the advisory
15 committee, the water well drillers advisory committee,
16 gave them updates in two of their meetings.

17 Teri, go to the next slide.

18 Two of the key findings of course
19 centered on really the demand for water wells in the
20 state and the number of licensed water well drillers.
21 These in some ways are the two most key stats in that
22 whole report, which is about 50 pages. If you all have
23 had a chance to review it, again we have a lot of
24 graphs and charts and all that. But these are, these
25 are really key.

1 What we saw was that, since 2006, the
2 demand for water wells in the state has declined
3 approximately 50 percent. A lot of that has to do with
4 the decline of the demand for domestic wells as
5 community water systems have expanded since Hurricanes
6 Katrina and Rita in recent years.

7 Demand for other types of wells -- rig
8 supply wells, irrigation wells -- has sort of been up
9 and down, but relatively constant. As you can imagine,
10 there have been years where demand has been above
11 average, and then in the following year demand for
12 those types of wells has fallen back to the norm or
13 below the norm, so really what you would expect on a
14 year-to-year basis.

15 More importantly for us, the number of
16 licensed and active water well drillers in the state
17 has remained over the past ten years almost, almost
18 constant. We had about 257 in 2003-2004, and this past
19 year we had 246. So it's really a decline of ten over
20 the past ten years. It's a very minimal decline,
21 hardly has had an impact in terms of availability of
22 licensed water well drillers in the state.

23 So the conclusions and all were in that
24 report. We would like to go ahead and --

25 We did ask for comments. That date

1 yesterday has passed. And unless there are any
2 additional comments, we would like to sort of move to
3 go ahead and close this and finalize the report and
4 submit it on to the legislature, if that's acceptable
5 to the Commission.

6 CHAIRMAN SAGNIBENE: Matt, you sent this to
7 all commission members; correct?

8 MR. REONAS: Yes, sir.

9 CHAIRMAN SAGNIBENE: Any comments?

10 I move to finalize.

11 MR. REONAS: Okay. Thank you, sir.

12 And I guess, on that note, that's --

13 Teri.

14 COMMISSIONER WELSH: What's the date --
15 what's the deadline, what's the deadline for submitting
16 it to the legislature?

17 MR. REONAS: February 15. But if he can
18 clear it out in the next couple of weeks, maybe before
19 Christmas.

20 COMMISSIONER WELSH: Right. You all did a
21 good job on that and I appreciate it very much.

22 MR. REONAS: Thank you. Thank you.

23 CHAIRMAN SAGNIBENE: Thanks for your hard
24 work, Matt.

25 MR. BALKUM: If I could make a

1 recommendation?

2 Within the Department of Wildlife and
3 Fisheries, we have an Environmental Education
4 Commission. You might want to reach out to them.
5 Maybe they can partner with your department doing some
6 of your outreach or education opportunities that may
7 help what's being taught currently, what the demands
8 are on teachers, what opportunities there could be to
9 expand water education, water conservation and water
10 science.

11 MR. REONAS: Yes. I talk with Denise a good
12 bit, Denise Ortego, and I've got to -- I know the
13 workshop or symposium this year I think is in
14 Shreveport. I would like to go up there and present
15 and see if I can reach out and expand my reach into
16 that group as well.

17 MR. BALKUM: So you've already been there?

18 MR. REONAS: A little bit. There's a lot of
19 work to do.

20 I think the biggest issue right now, in
21 terms of education, sort of science education in the
22 state is, where Common Core is going. I just was
23 reading this morning in the news, I think the
24 superintendent of education made a recommendation to
25 delay implementation of that for two years.

1 Of course recently at the national
2 level, the Next Generation Science Standards were
3 adopted. So there's a little bit of flux right now in
4 education, and I think teachers are probably feeling
5 that as well.

6 I feel like we had a very good response
7 here in East Baton Rouge. And of course we were
8 working under an order that sort of mandated that we do
9 some public outreach in education, so that was really
10 the impetus for what we were doing.

11 Of course also in Caddo Parish and the
12 Sparta, we have sort of a vested interest in those
13 areas.

14 From a statewide perspective, I think
15 the emphasis is really going to be on water resource
16 management. I think there's an opportunity for
17 curriculum based on those issues, and you can break it
18 out by region and watershed. I've talked a good bit
19 with the Nature Conservancy. I've met with Karen, and
20 I think there are some really big opportunities to
21 secure funding to do a statewide curriculum based on
22 those water resource management issues.

23 Of course that's going to be bigger and
24 bigger than me, and I realize that.

25 MR. BALKUM: Thanks again for the update.

1 MR. REONAS: Thank you.

2 CHAIRMAN SAGNIBENE: Matt, have you tapped
3 into DEQ's Wellhead Protection and Outreach Program?

4 MR. REONAS: Yes. I talked with John,
5 Tiffany and Mary a good bit. That's another group I
6 would like to bring in.

7 I think the opportunities are there for
8 a lot of hands-on, I like to call them virtual field
9 trips or digital learning-type opportunities that you
10 can actually -- kids that in many cases probably
11 couldn't get out of the classroom, because again that's
12 tough, harder and harder for teachers to get kids out
13 of the classroom -- but if we can bring these outside
14 experiences to them through digital learning or virtual
15 field trips, things like that, that's where the real
16 opportunity is. And kids I think will understand it a
17 little bit more if they can tie in the book learning
18 with the hands-on aspect of it.

19 CHAIRMAN SAGNIBENE: Yeah, because they
20 impact a lot of communities, so you can pull them in.

21 MR. REONAS: That's it.

22 CHAIRMAN SAGNIBENE: Thank you.

23 MR. REONAS: Thank you.

24 CHAIRMAN SAGNIBENE: Next item on the list is
25 the New Water System Requirements. Mr. Causey?

1 MR. CAUSEY: All right.

2 Thank you, Matthew.

3 So I'm just going to give you all a sort
4 of a brief overview of our experience with recent
5 detection of *Naegleria fowleri* amoeba in our water
6 systems -- and you'll see it spelled in the slide --
7 and then even a little snapshot of what, some other
8 recent events outside of Louisiana for a little
9 perspective. And I believe the presentation will be
10 circulated via email afterwards, so you'll have the
11 slides.

12 But basically in 2011 there were two deaths.

13 Go ahead to the next slide.

14 So we had two cases of PAM, Primary Amebic
15 Meningitis, one in DeSoto and one in St. Bernard, and
16 that was in the summer of 2011. Both of those cases
17 were associated with the use of a netty pot that's used
18 to irrigate nostrils for sinus issues.

19 But in 2013, this past summer, we had a
20 4-year-old that was diagnosed with PAM, again in
21 St. Bernard Parish; and the exposure pathway there was
22 that the child was on a Slip and Slide all day, and so
23 *Naegleria fowleri* was determined to be the cause of the
24 PAM in all three cases.

25 In 2011 we did do some investigative sampling

1 in conjunction with CDC within the premise plumbing
2 systems, and also, in the case of St. Bernard, in the
3 water supply system. A lot of the premise plumbing
4 samples did come back positive, including the netty
5 pot.

6 In the case of St. Bernard, the water supply
7 samples were one liter grab samples, and those were all
8 negative at that time. And then more recently in 2013,
9 when we did the first round of premise plumbing samples
10 and a few water supply samples, CDC had actually
11 implemented sort of an experimental sample technique
12 utilizing ultrafilters from kidney dialysis machines,
13 and so we actually found some sort of discrepancy in
14 the results.

15 One tap would be negative in the grab sample
16 but positive in the filtered sample. So we felt like
17 the filtered samples were giving us more representative
18 results. And so we went back into the St. Bernard
19 water system and did additional filtered samples in the
20 system -- I believe it was about ten -- and four sites
21 came back positive in St. Bernard.

22 So a few weeks later the only other case of
23 PAM we had in the state recently was in DeSoto, so we
24 did additional follow-up sampling in DeSoto, ten sites
25 with the filters, and five of the ten sites came back

1 positive for the Naegleria fowleri amoeba.

2 And just for everyone's benefit, the water is
3 safe to drink. The risk with this amoeba is it being
4 forced up your nose, and then it can make its way up to
5 the brain, and it feeds on the brain and really has a
6 99 percent fatality rate. So definitely an issue.

7 This is the first case of Naegleria fowleri
8 detections in a treated drinking water system in the
9 United States. So this is very groundbreaking, not
10 only for us, but for CDC, EPA as well.

11 Arizona had some cases of PAM related to some
12 untreated groundwater exposure I believe in the early
13 2000s.

14 So when we started looking at responding to
15 the detection of PAM in two of our water supplies, CDC
16 put us on to western and southern Australia as they had
17 I believe maybe 20 years ago, about 19 deaths
18 associated with this amoeba in their drinking water
19 system; and so they had implemented some response
20 protocols, specifically increasing the minimum
21 disinfectant residual concentrations throughout the
22 distribution systems to at least a half milligram per
23 liter. And so that is what we immediately recommended
24 to public water systems to implement --

25 And you can go to the next slide.

1 -- and then subsequently just recently issued
2 an emergency rule mandating water systems achieve and
3 maintain a half milligram per liter disinfectant
4 residual throughout their distribution systems.

5 Certainly there were a lot of questions
6 about: Well, you know, we don't know if we have this
7 amoeba. Why do we have to do this? Can we just test?

8 And so the reality is there are no standard
9 approved methods, no commercial labs, et cetera. These
10 are research methods that we're using for identifying
11 *Naegleria fowleri* and so -- let's see.

12 We can move on to the next slide.

13 So to get into really the emergency rule
14 requirements, we issued the emergency rule on
15 November 6 and specified several things. One was that
16 public water systems increase their disinfectant
17 residual monitoring in their distribution systems by
18 25 percent of what their current residual monitoring is
19 based on their total coliform rule requirements.

20 And then so beginning, effective February 1,
21 all public water systems have to achieve the half
22 milligram per liter throughout, and as well as
23 establishing the number of sites that they are
24 monitoring as one and a half sites times the number of
25 coliform and chlorine residual samples they do each

1 month, so that they can alternate each month, get more
2 representative monitoring throughout the distribution
3 system.

4 And so this bottom chart really kind of shows
5 you the monitoring that is now required under the
6 emergency rule. You have continuous or daily
7 monitoring in point of entry, and the maximum resident
8 time; and then monthly there's total coliform samples,
9 which is really bacterial. But there's chlorine
10 residuals that are required to be collected in
11 conjunction with that activity, and then 25 percent
12 additional chlorine residual monitoring.

13 Go to the next slide.

14 So as part of this effort, all systems are
15 being required to revise and update their coliform and
16 chlorine residual monitoring plans. And we are, you
17 know, communicating frequently with water systems on
18 this effort. Basically we are going to have a web
19 application that these are going to be submitted to us
20 through that will go live on December 9.

21 We can go to the next slide.

22 And so this was a chart just indicating per
23 system, public water system, so they can readily
24 determine what their new -- how many monitoring sites
25 they have got to have and what their monitoring

1 frequencies are for these different parameters.

2 Turn to the next.

3 Now we did put in a provision that systems
4 that may need to make significant infrastructure
5 improvements to achieve the highest effective residual
6 throughout their system can submit a request for
7 additional time, you know, based on, you know, there
8 would be a time for design and permitting and
9 construction, and so we did make a provision for them
10 to request additional time.

11 The next bullet is just the minimum.

12 So these are the new residuals: A half
13 milligram per liter of free chlorine; or systems that
14 disinfect with chloramines, which is really chlorine
15 combined with ammonia, they monitor total chlorine
16 residual, and their minimum is also a half milligram
17 per liter.

18 Now as part of this effort, we did identify
19 that we still had about 31 public water systems
20 currently under waivers from disinfectants, not
21 disinfecting their water at all, and those waivers were
22 granted back in '95 when the mandatory disinfection
23 rule was promulgated. And it was done based on having
24 no coliform violations for three years, for a
25 three-year period. But going forward, if they are

1 having an issue with bacteria, then that waiver is
2 revoked. And so certainly probably hundreds were
3 granted back then, and the list has kind of whittled
4 down to 30 since then.

5 As part of the rule, it was a few concerns of
6 some industrial sites as far as the significant impact
7 to their processes and other things, so we made some
8 provisions in the rule to address some of those
9 concerns.

10 Move on.

11 Now in addition to this, the other things I
12 mentioned, systems that use chloramines for
13 disinfection also are required to develop and submit an
14 Nitrification Control Plan by March 1, 2014. And that
15 is one of the concerns that we had with both DeSoto and
16 St. Bernard. Both systems were using chloramine
17 disinfection, and we did identify multiple locations
18 throughout their system where they were not maintaining
19 a residual at all. And we suspect that Nitrification
20 had a significant, was a significant reason for that,
21 and so there are different strategies to control that.
22 And that really only applies to chloramine systems, so
23 that's another aspect of the emergency rule.

24 So we clarified the monitoring equipment to
25 measure chlorine residuals, the records retention, and

1 also again the monthly monitoring of the TCR sites
2 that, you know, if your schedule is 75 a month, and all
3 of a sudden the mods are coming from different sites
4 for that month, and the chlorine monitoring is part of
5 that.

6 So when that was released, we had been
7 holding a series of webinars with public water systems
8 about every two weeks, so we did create a website where
9 we could put all that information for water systems to
10 access. They can download the emergency rule. We have
11 a PowerPoint where it gives them a brief overview, some
12 charts and other things to help them readily determine
13 what their new requirements are.

14 And this, where it says, "PWS Monitoring Plan
15 Portal coming soon," that's where the revised plans
16 that are due January, there's going to be a link there
17 where they can go online and submit those.

18 You can go to the next slide.

19 This is just a brief overview of the
20 timeline. The emergency rule we're currently under,
21 again it was issued November 6. First deadline
22 January 1st to submit the revised monitoring plans;
23 February 1st, deadline to begin, to be in compliance
24 with the new minimum disinfectant residuals throughout;
25 and then March 1st on the nitrification plans.

1 So as part of our efforts -- this is on the
2 website -- we have a series of workshops set up across
3 the state throughout the month of December, so systems
4 can go online, click on one of these locations and
5 register to attend. And we're going to provide
6 basically one-on-one assistance to help them submit
7 their monitoring plans via the website again which goes
8 live on December 9th.

9 Additional assistance: We do have contracts
10 in place -- Louisiana Rural Water Association,
11 Thornton, Musso & Bellemin -- to provide technical
12 assistance. So we're going to fully utilize those to
13 assist water systems in this emergency rule, and then
14 some other forums and things on our website with
15 respect to public water systems.

16 And so, you know, certainly the brain-eating
17 amoeba was very big news for Louisiana. And also I
18 wanted to mention, CDC did also just release
19 information on a case of PAM in the U.S. Virgin
20 Islands. It was a ritual thing with water going up the
21 nose type situation, and so it's -- *Naegleria fowleri*
22 is basically what the EPA is considering an emerging
23 pathogen, something that they are looking at. There
24 has not been any monitoring for this amoeba in public
25 water systems in the country at all, except what we

1 have done in response to events here and what Arizona
2 has done in response to what they have seen. So this
3 is going to be a major sort of national effort I think
4 in years to come to look at this on a nationwide issue;
5 but unfortunately, we've got to address it here and
6 now.

7 But so, just looking at other things, you
8 know, happening outside of Louisiana, just for some
9 perspective, you know, we haven't had any real
10 waterborne disease outbreaks here in Louisiana for a
11 long time. I don't necessarily know or believe that
12 PAM -- because it's really going up the nose -- would
13 fall into that category.

14 But just some perspective: Colorado,
15 Salmonella outbreak 2008 in a non-disinfectant water
16 system; Pennsylvania, Legionella outbreak 2012, again a
17 non-disinfectant water system; and Oregon, Crypto
18 outbreak just this past summer.

19 This water system really was in compliance
20 with everything; but basically the quality of their
21 source water changed. And the treatment processes,
22 though they were in compliance, still didn't provide
23 safe water. So there are kind of a few slides on
24 these.

25 You can go to the next.

1 This was the Alamosa event in Colorado,
2 Salmonella.

3 Go to the next slide.

4 Basically people started showing up at the
5 ER, and as more cases come in sort of the concern and
6 investigations expand.

7 You can go to the next slide.

8 So this was the early case summary, quite a
9 few people affected.

10 Go to the next slide.

11 And so these were some of the strategies that
12 water systems were looking at back in 2008. It's
13 interesting. You have the disinfection waiver issue,
14 which we're dealing with; storage tanks and
15 distribution system issues, that's part of the issue
16 we're dealing with with this amoeba here; regulatory
17 revisions, you know, disinfectant-residual
18 requirements. It's really all these same elements.
19 Different contaminant, but really the same elements of
20 the water system are being evaluated.

21 Next slide.

22 This is the Pennsylvania, 2012 Legionella
23 outbreak. It's at a hotel, but this hotel is a public
24 water system, has its own well, not disinfected. And
25 basically there was, I guess sort of the case developed

1 over time. The top is just basically a news clip.

2 You can go not next slide.

3 So again, Pennsylvania's experience. Looking
4 at design standards, permit conditions, distribution
5 system issues, as well as revisions to disinfection
6 requirements, considering half milligram per liter free
7 being maintained throughout the system and one
8 milligram per liter for total chlorine maintained
9 throughout the system, this is what those guides are
10 going through currently.

11 And then the last. In Oregon, with the
12 Crypto outbreak -- go to the next slide -- again you
13 can see the dates here. They just recently have been
14 dealing with this issue. Quite a few people affected.

15 Crypto is something that recent -- the long
16 term two and a half surface water treatment rule is now
17 mandating additional treatment for crypto sporidium in
18 certain water systems who had levels in their source
19 water at, you know, certain concentrations.

20 For this system there was a dramatic change
21 in their source water, a lot of investigation; but
22 what's interesting is that their monitoring data each
23 day didn't specifically reveal any issues.

24 So still a lot of risk in providing public
25 water systems and the need to stay on top of our

1 infrastructure, distribution systems; maintain chlorine
2 residuals throughout, very, very important.

3 I'm not sure what the last slide is going to
4 be.

5 Yeah, so that was the source of water.
6 That's a very super high crypto count there.

7 So that's it.

8 CHAIRMAN SAGNIBENE: Thank you, Jake. I
9 would like to thank you for all the help and
10 involvement you had in this. You have a big job before
11 you, help pull everybody together.

12 Thank you, Jake.

13 MR. CAUSEY: Thank you.

14 CHAIRMAN SAGNIBENE: Next agenda item is
15 public comment. Anybody from the public wish to
16 comment, come on up.

17 Please state your name for the record,
18 please.

19 MR. HILLMAN: John Hillman, H-I-L-L-M-A-N.

20 Where do you want me?

21 I'm coming down here, got a bunch of my
22 neighbors. Being I'm a Louisiana citizen, I've got
23 some questions. I couldn't get them to come, so I said
24 I would come.

25 I have been around here a long time and

1 I see more and more of our water resources biting the
2 dust, and I see it with contamination, and
3 contamination from our local oil and petroleum
4 industry, and it just seems like it just grows on.

5 I can tell you a few -- back in the 80s
6 I had some property over in, north of Sulphur,
7 Louisiana, the little town of Beulah up there, south of
8 DeQuincy; had about 15 acres, and we were doing
9 something, trying to make an orchard four or five
10 years. Well, in there they had an injection well
11 several miles from us. A lot of homes in there, people
12 living on four and five acres with their own private
13 well. But I guess in that four or five-year period,
14 they must have stopped those people from injecting in
15 there by court-ordered injunction. That lasted about
16 two or three days. They're right back there. That's
17 West Lake, Lake Charles. You know what that chemical
18 business is over there. You can't hardly breathe when
19 you go through there.

20 So anyway, pretty soon got to notice
21 that the groundwater was polluted, can't drink it. But
22 that was okay for a water company up in DeQuincy. They
23 ran a pipeline down there about 12, 15 miles back
24 through those roads, so they had their water. Now
25 that's just one instance. That was back in the 80s.

1 Now I have to speak to probably our
2 biggest water source loss just here just recently, and
3 that is our Bayou Corne sinkhole. And you know, it's
4 21 of you people sitting up there and every one of you
5 got good intentions I believe of wanting to protect the
6 Louisiana citizens.

7 Well, we began to wonder if these
8 agencies are allowed to do that or whether you all are
9 inhibited or intimidated from doing that.

10 Now what happened at Bayou Corne bothers
11 a lot of us because we have not seen a thing that would
12 prevent this happening again. My neighbors, there are
13 several of us; we talked and said, Why is it that Texas
14 Brine can mine that thing for 30 years seems like, and
15 then I guess they reached their limit, and they
16 requested from DNR a permit to expand their mine.

17 Now I ask you, Mr. Welsh, because I know
18 you will answer this: We have never seen what criteria
19 was used for you to approve that permit that allowed
20 this God-awful thing to happen to our water source down
21 there.

22 Is there anything in place? Are you
23 obligated to give them a permit when they make the
24 request, or Mr. Angelle who was there at the time?
25 Because it can happen again.

1 COMMISSIONER WELSH: Sir, we're talking about
2 the cavern that --

3 MR. HILLMAN: Yes, sir.

4 COMMISSIONER WELSH: Number three?

5 THE WITNESS: Yes, sir, Bayou Corne, where
6 Texas Brine Company requested a permit to extend their
7 mining operation and DNR approved it.

8 And shortly after that, a few years,
9 they notified DNR formally with documentation that the
10 cavern test had failed and they suspected a wall
11 breach. Of course that was kept secret -- I guess
12 there was some reason for that -- until The Advocate
13 came out with it and big headlines in our paper, that,
14 Hey, DNR keeps this secret.

15 I guess there must have been a reason
16 for that. But it would help those people who were
17 trying to figure out what was happening down there.

18 COMMISSIONER WELSH: I understand what you're
19 saying.

20 And Mr. Adams, would you ...

21 MR. ADAMS: Yes, sir.

22 Mr. Hillman, I'm not exactly sure what
23 permit you're speaking of. But if you would like to
24 provide me additional information on it, I'll be glad
25 to look it up.

1 All of DNR's records are public
2 information, so there's nothing that's being hidden
3 from anyone; and I'll be glad to make any of those
4 records available to you for your review.

5 MR. HILLMAN: Well, let's ask The Advocate
6 reporter that wrote the article and is following Bayou
7 Corne very good that had this front-page headline that
8 DNR had kept this secret.

9 MR. ADAMS: I can't speak to The Advocate's
10 headline.

11 MR. HILLMAN: This is documentation, so I'm
12 surprised you don't know about it.

13 My question is, there must be some
14 criteria where, when Texas Brine or these other
15 companies -- and there are hundreds of them out
16 there -- come and say, Look, we're going to have to
17 expand our mining operation. You all don't say, just
18 go ahead, do you?

19 CHAIRMAN SAGNIBENE: Mr. Adams said he would
20 make those records available to you.

21 Correct, Mr. Adams?

22 MR. ADAMS: Yes, sir. There's a tremendous
23 amount of criteria and regulations that go into each
24 and every one of those. And if you would like for me
25 to go through our entire case history on any of those

1 caverns, I'll be more than happy to do that.

2 MR. HILLMAN: Don't need it. Don't need it.

3 I'm just talking about this one cavern
4 where we've got all this water loss and everything else
5 down there. And the paper, I'm sure that they knew
6 what they were printing, and that's that great reporter
7 that's following it, Mr. Mitchell, you know, he
8 documented it, what date you all received the letter
9 from the president of Texas Brine Company and --

10 MR. ADAMS: Once again, Mr. Hillman, I'm not
11 familiar with the article that you're talking about.
12 But again, if you would like to sit down with me and go
13 through the article, I'll be glad to identify any
14 documents or information that they referred to and make
15 that available to you.

16 MR. HILLMAN: Well, maybe I should send you
17 that Advocate and let you read that article; because
18 when they put that print across there, the document,
19 that's good enough for me. That's what I'm speaking
20 from.

21 My fear is, will this happen again?

22 CHAIRMAN SAGNIBENE: Excuse me. I think
23 Mr. Adams is saying that he's available at any time.

24 MR. ADAMS: Yes, sir.

25 CHAIRMAN SAGNIBENE: Okay?

1 MR. HILLMAN: One more question.

2 Watched the news this morning at 6:00.
3 Did any of you all see that?

4 Well, our little thing up near Monroe,
5 up there in north Louisiana, here's this poor old guy
6 talking to the Channel 9 reporter showing how he can
7 light his faucet.

8 Now we knew that was coming when you
9 started fracturing because we've seen the pictures of
10 Pennsylvania, Texas and all this. So here is this old
11 boy lighting his water. He said, Well, we've got a
12 well about half a mile that way and one about half mile
13 this way. And his wife said, And one of my daughters
14 just got sick and fainted.

15 And they said they were told that they
16 will provide them bottled water -- and I guess that's
17 the company up there, Anadarko -- but leave your
18 windows open.

19 It was 26 degrees. And that's really
20 addressing something.

21 Now would you, DNR, be up there, or DEQ
22 or somebody checking that out?

23 CHAIRMAN SAGNIBENE: Correct me if I'm wrong,
24 DNR people, but I think you all are currently
25 evaluating that situation. Correct?

1 MR. SNELLGROVE: That's correct. That
2 situation has been brought to the agency's attention
3 and it is under investigation.

4 CHAIRMAN SAGNIBENE: And I assume you all
5 have some report forthcoming on that?

6 MR. SNELLGROVE: That's correct, there will
7 be inspection reports provided and some conclusion as
8 to what the findings are as to the source.

9 MR. HILLMAN: Well, obviously his water is
10 gone. He has got a private well.

11 I mean, we can't do this. I have been
12 in this state a long time and it's just one after
13 another. I feel like our people are not protecting us
14 as much as they should be. That's the way I feel. And
15 I guess it's political.

16 You know, we've got a lot of influence
17 here, you know; and it's a shame, but we have to have
18 water to drink. That water comes in DeQuincy I guess
19 is all right. They got really expanded there.

20 Well, I just wanted to ask those
21 questions. And I hope you all let it sink in. I
22 appreciate what you're doing. But I see 21 people on
23 the commission, I just hope one of you doesn't take the
24 position that our wonderful governor is going to tell
25 you to get off, take a hike.

1 CHAIRMAN SAGNIBENE: Thank you for your
2 comments.

3 Anyone else like to approach the mic?
4 Okay. Do I hear a motion for
5 adjournment?

6 MR. GRAVES: So move.

7 MR. PRATT: Second.

8 CHAIRMAN SAGNIBENE: This meeting is
9 adjourned. Thank you.

10 (Whereupon at 2:19 PM the meeting
11 adjourned.)

12 * * *

13

14

15

16

17

18

19

20

21

22

23

24

25

1 STATE OF LOUISIANA
2 PARISH OF EAST BATON ROUGE

3 REPORTER'S CERTIFICATE
4

5 I, ESTELLA O. CHAMPION, Certified Court
6 Reporter and Registered Professional Reporter in and
7 for the State of Louisiana, Certificate Number 76003
8 (in good standing), as the officer before whom this
9 proceeding was taken, do hereby certify that on June 5,
10 2013, the foregoing 58 pages were reported by me in the
11 Stenotype reporting method, that said transcript was
12 later prepared and transcribed by me or under my
13 personal direction and supervision and is a true and
14 correct transcript to the best of my ability and
15 understanding; that I am not related to counsel or to
16 the parties herein, nor am I otherwise interested in
17 the outcome of this matter.

18 Baton Rouge, Louisiana, this 8th day of
19 January, 2014.
20
21

22 _____
23 ESTELLA O. CHAMPION, CCR, CRR
24
25