

STATE OF IOWA  
BEFORE THE IOWA UTILITIES BOARD

FILED WITH  
Executive Secretary  
August 07, 2014  
IOWA UTILITIES BOARD

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<b>IN RE:</b>  <b>MIDAMERICAN ENERGY COMPANY</b>	<b>DOCKET NO. EPB-2014-0156</b>
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**DIRECT TESTIMONY OF WENDY HIEB**

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**WITNESS IDENTIFICATION**

**Q. Please state your name and business address.**

A. My name is Wendy Hieb. My business address is Iowa Department of Natural Resources, 502 East 9<sup>th</sup> Street, Des Moines, Iowa 50319.

**Q. By whom are you presently employed and in what capacity?**

A. I am employed by the State of Iowa, Department of Natural Resources, as an Environmental Specialist Senior within the Water Quality Bureau of the Environmental Services Division. I am the lead technical worker for industrial National Pollutant Discharge Elimination System (NPDES) permitting in Iowa. This includes issuing NPDES permits, conducting rulemaking, coordinating permit writer activities, and determining how to implement new state and federal regulations under the Clean Water Act.

**Q. What is your educational background?**

A. I received a Bachelor of Science degree in Wildlife Ecology and Conservation from the University of Florida in May 1999. I received a Master of Science degree from the University of Minnesota in Water Resources Science in May 2005.

**Q. Please describe your professional experience.**

1 A. I have eleven years of regulatory experience and four years of research experience.  
2 From 1999 to 2001, I worked as an Analyst for the Cadmus Group, a consulting firm  
3 for EPA Headquarters. I provided assistance on a variety of projects including  
4 hydraulic fracturing studies, state Underground Injection Control regulation reviews,  
5 and summarizing national results for state Source Water Assessment Program  
6 surveys. From 2001 to 2004, I was a research assistant and teaching assistant for the  
7 University of Minnesota Duluth which included microbiology research and teaching a  
8 variety of biology labs. From 2004 to 2006 I was a project manager for Computer  
9 Sciences Corporation. I was in charge of a program to review world-wide published  
10 toxicology studies and summarize data for EPA's effort to re-register pesticides based  
11 on updated risk assessments. From 2006 to 2014, I was an Environmental Specialist  
12 with the Iowa Department of Natural Resources' Water Quality Bureau, drafting and  
13 issuing industrial NPDES permits and wastewater operation permits for land  
14 application; assisting in rulemaking efforts for general permits; providing support to  
15 industries with the regulatory process; responding to public comments; and providing  
16 input and keeping current with new standards and policies. Beginning in March of  
17 2014, I was promoted to Environmental Specialist Senior in the Water Quality  
18 Bureau which is the lead technical staff position that coordinates all wastewater  
19 permitting efforts for industries. This includes issuing NPDES permits; rulemaking;  
20 working closely with industries to address concerns; deciding how to implement new  
21 federal and state regulations; and providing policy recommendations to management.

22 **PURPOSE OF TESTIMONY**

23 **Q. What is the purpose of your testimony?**

1 A. The purpose of my testimony is to present DNR’s position as to the “MidAmerican  
2 Energy Company Electric Power Generation Facility Budget Update for January 1,  
3 2014 through December 31, 2023” and the “MidAmerican Energy Company Electric  
4 Generating Facility Emission Plan for January 1, 2014, through December 31, 2023”  
5 along with the accompanying pre-filed testimony.

6 **Q. Have you reviewed the “MidAmerican Energy Company Electric Power  
7 Generation Facility Budget Update for January 1, 2014 through December 31,  
8 2023” and the “MidAmerican Energy Company Electric Generating Facility  
9 Emission Plan for January 1, 2014, through December 31, 2023” along with the  
10 accompanying pre-filed testimony?**

11 A. Yes, I have.

12 **Q. Which parts of the Emissions Plan and Budget will you be addressing in your  
13 testimony?**

14 A. I will address the pending federal regulatory requirement for Cooling Water Intake  
15 Structures listed in the Plan.

16 **Q. What are your specific comments the Plan section of the 2014 Emissions Plan  
17 and Budget document?**

18 A. The information provided in the Plan accurately reflects the current status of federal  
19 requirements at the time of submittal. Since this document was created, EPA has  
20 issued a pre-publication release of the federal register notice for the Cooling Water  
21 Intake Structures Rulemaking under 316(b) of the Clean Water Act. EPA has not yet  
22 published the rules in the federal register and does not know when that will occur.  
23 Changes may still be made to the 316(b) rules prior to publishing.

1 **Q. Do you have additional comments the Emissions Plan document?**

2 A. Yes. According to EPA's pre-publication release, facilities will have 45 months to  
3 provide completed impingement and entrainment studies. The Plan currently states  
4 that MidAmerican's affected generating facilities will be required to complete  
5 impingement and entrainment studies in 2015. Also, the pre-publication release no  
6 longer includes the eight year deadline for compliance with standards as described in  
7 The Plan. No deadline is included in the pre-publication release, however it is noted  
8 in the release that EPA expects that it will take approximately eight years to comply.  
9 In the current version of the pre-publication release, discretion is given to the  
10 permitting authority to determine the length of schedule necessary for compliance  
11 with the final rules.

12 **Q. Are there any updates the Department would like to mention that are referenced**  
13 **in the 2014 Emissions Plan and Budget document?**

14 A. Yes, the Plan lists the facilities likely to be impacted by the final rule and included all  
15 MidAmerican facilities that withdraw more than two million gallons per day from  
16 waters of the United States. The pre-publication release still includes only facilities  
17 that withdraw more than two million gallons per day, so the list of affected facilities  
18 in The Plan is still accurate.

19 **Q. Do you have any additional comments?**

20 A. No, I do not.

21 **Q. Does this Plan document, when taken together with the Budget document and**  
22 **the accompanying pre-filed testimony, meet applicable state environmental**  
23 **requirements?**

1 A. To the best of my knowledge and at this time, this the 2014 Plan and Budget, in  
2 conjunction with continued compliance with all permitting requirements and permit  
3 conditions, meets applicable state environmental requirements for regulated  
4 wastewater discharges.

5 **Q. Does this conclude your prepared testimony?**

6 A. Yes, it does.