

Approved: March 20, 2000

Date

## MINUTES OF THE SENATE COMMITTEE ON ENERGY AND NATURAL RESOURCES.

The meeting was called to order by Chairperson Senator David Corbin at 8:00 a.m. on March 14, 2000 in 245-N of the Capitol.

All members were present except: All members were present.

### Committee staff present:

Raney Gilliland, Legislative Research Department  
Mary Ann Torrence, Revisor of Statutes Office  
Lila McClafin, Committee Secretary

### Conferees appearing before the committee:

Margaret Fast, Kansas Water Office  
Steve Adams, Kansas Department of Wildlife and Parks  
Dr. William Hargrove, Kansas State University  
Dr. Jay Ham, Kansas State University  
Dr. Alan Schlegal, Kansas State University

### Others attending:

See attached list.

The hearing was opened on **Sub for HB 2144**—Application of multipurpose small lakes program to certain projects; rules and regulations relating to recovery of certain costs.

Margaret Fast, Unit Manager, Kansas Water Office, supported the bill with some modifications. They would support language to clarify that financial participation in the restoration of recreational components would be confined to publicly owned lakes (Attachment 1). She responded to questions.

Tracy Streeter, Executive Director, State Conservation Commission, submitted written testimony for information purposes. His testimony encouraged the Committee to consider amending the bill to include recreation as a feature of renovation projects (Attachment 2).

Steve Adams, Kansas Department of Wildlife and Parks, opposed the section of the bill that omitted recreation facilities and requested the addition of recreation to the uses under renovated or reconstructed multipurpose dams would be both consistent with the current statute and address a need in local communities (Attachment 3).

The hearing on **Sub for HB 2144**—was closed.

Chairperson Corbin called on Dr. William Hargrove, Director, Kansas Center for Agricultural Resources and the Environment, Kansas State University. Dr. Hargrove addressed the committee and a pressed release summarizing their progress and key findings in several important areas over the past twelve months was distributed (Attachment 4).

Dr. Jay Ham, Associate Professor, Department of Agronomy and Dr. Alan Schlegel, Professor, Southwest Research-Extension Center gave an update and summary of research they have done in the last two years in responses to **HB 2950** which was passed during the 1998 legislative session. A copy of their report to the Animal Waste Management and Utilization 2000 Annual Report to the Legislature (Attachment 5). Other information and brochures on the subject along with copies of the slide presentation are on file in the Kansas Legislative Research Department. In summary

## CONTINUATION SHEET

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the committee was told that basically before building a lagoon you need to determine the type of soil under the potential lagoon site, consider the type and concentration of waste to be placed in the lagoon, know the depth to the water table and decide the length of time the lagoon will be used to hold waste. A new "lagoon design tool" has been introduced by Dr. Ham, that asks for such inputs as soil and aquifer properties and type of operation to build a site-specific lagoon. The committee was told the seepage losses from the lagoons they studied was an overall average of 0.05 inch/day (1/20th inch per day. The present state-mandated seepage rate for lagoons is currently ).25 inch/day.

Dr. Schlegel said that livestock and municipal waste can be applied to crop land for years without causing problems, and his quote was: "The key is management. If a producer is dumping waste on the field, rather than properly managing it, there is some danger. Applying the amount needed by crops and regularly soil testing will avoid problems. It is not the type of waste you put on, it's how you manage it." In the next year they plan to focus their research on lagoon closure, and they are investigating the use of new technologies, such as sub-surface drip irrigation, to apply livestock waste to crop land. They were asked to supply copies of Dr. Hamm's slides. The presenters responded to questions regarding their research.

The meeting adjourned at 9:00 a.m. The next scheduled meeting will be on Wednesday, March 15, 2000.