Approved April 8, 1986
Date

MINUTES OF THE HOUSE COMMITTEE ON COMMUNICATION, COMPUTERS AND TECHNOLOGY.

The meeting was called to order by Representative Jerry Friedeman at
Chairperson

3:30 ~~x~~a.m./p.m. on March 31, 1986 in room 411-S of the Capitol.

All members were present except:
Representative Aylward (excused)
Representative Freeman (excused)
Representative Helgerson (excused)
Representative Roper
Representative Sifers (excused)

Committee staff present:
Lynne Holt, Legislative Research Department
James A. Wilson, Revisor of Statutes
Jean Mellinger, Secretary to the Committee

Conferees appearing before the committee:
Janet Marquis, Department of Health and Environment
Boyd Allen, Board of Agriculture
Steve Brown, Department of Health and Environment
Darrel Eklund, Kansas Water Office
Dave Larson, Kansas Corporation Commission
Ron Norris, Kansas Corporation Commission

Vice Chairman Jerry Friedeman opened the meeting.

Janet Marquis introduced the participants in the demonstration and distributed informational material. (Attachment 1) She said there is now a single structure in place that allows all the state agencies that have water data to share that data. The district offices, if they purchase the equipment, can get the information on their terminals which makes it much more accessible. They are in the process of integrating their data and are adding the township range number to all their files.

The committee split up into two groups led by Steve Brown and Boyd Allen. They demonstrated how simple it would be to get any information if the Stationmaster was completed with all the necessary information by showing a rigged program. They also demonstrated the problems involved in the program as it is today. If they added the DWR Appropriation number on the records, they could bring up the information with one key. The space for the number is on the form, but it is not required and it would take an administrative decision to require it. They have to have a password to access the data and the password is changed every 30 days. The stand-alone system for each agency works entirely on its own and any number of files can be added. The data is in the process of being put on the system.

Representative Goossen made a motion to approve the minutes of the meetings of February 20 and 27 and March 3 and 4, 1986. Representative Green seconded the motion. The motion carried.

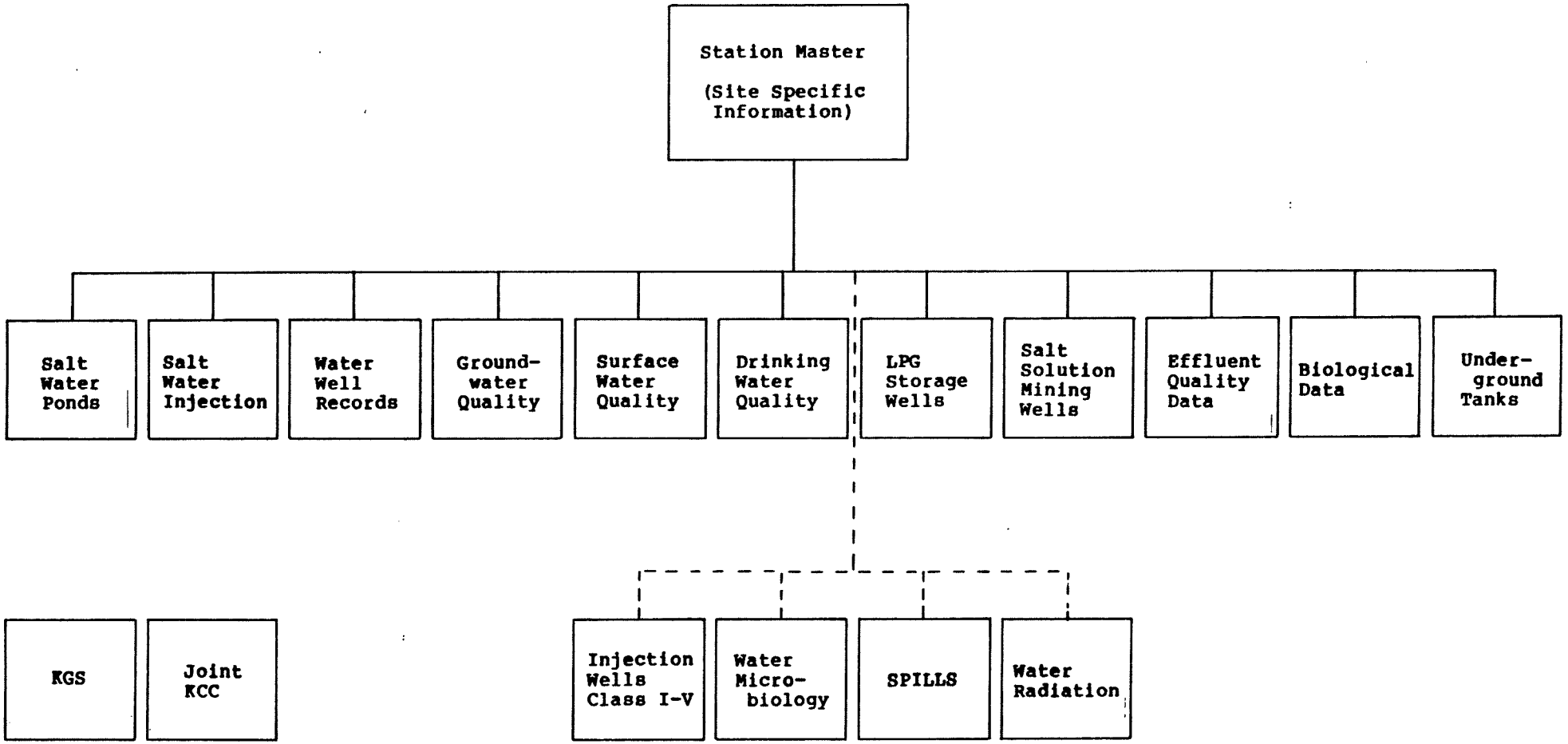
The meeting adjourned at 4:45 p.m.

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

KANSAS WATER DATABASE INFORMATION

MARCH 31, 1986

(Attachment 1)
3/31/86 Hs. CCT



RELATED INFORMATION

Alias File

Chemical Analysis System

Coding Information -- e.g., county codes, use numbers, etc.

Hazardous Waste Inventory

Drinking Water Supply Inventory

Waste Water Source Inventory

K D H E - K W D B M A S T E R M E N U

PLEASE CHOOSE THE OPTION DESIRED:

1: STATION MASTER SYSTEM (SITE INFORMATION FOR ALL
2: SALT WATER PONDS SYSTEM
3: POP-OFF PITS SYSTEM
4: INJECTION WELLS SYSTEM
5: EMERGENCY PONDS SYSTEM
6: WATER WELL SYSTEM
7: UNDERGROUND STORAGE TANK SYSTEM
7: WASTE WATER INVENTORY SYSTEM
8: DRINKING WATER INVENTORY SYSTEM
9: HAZARDOUS WASTE INVENTORY SYSTEM
10: LANDFILLS SYSTEM
11: ORGANIC CHEMISTRY SYSTEM (OBSERVATIONS ON TAPE
12: INORGANIC CHEMISTRY SYSTEM
13: BIOLOGICAL SYSTEM

PA2 TO TERMINATE

OPTION: 1

K D H E - K W D B S T A T I O N M A S T E R M E N U

PLEASE CHOOSE THE OPTION DESIRED BY PUTTING X IN APPROPIATE FIELD

SUMMARIZE: X LIST ALL:

TRSEXTK OR ALIAS:
TRS: 1007E28
TR:

K D H E - K W D B S T A T I O N M A S T E R S U M M A R Y

FOR TR(S): 1007E28

NO. OF SITES	SYSTEM NUMBER AND SYSTEM NAME
	1--SALT WATER PONDS
	2--POP-OFF PITS
1	3--INJECTION WELLS
	4--EMERGENCY PONDS
3	5--WATER WELLS
2	6--UNDERGROUND STORAGE TANKS
	7--WASTE WATER INVENTORY SITES
	8--DRINKING WATER INVENTORY SITES
	9--HAZARDOUS WASTE INVENTORY SITES
1	10-LANDFILL SITES
	11-ORGANIC CHEMISTRY SITES (OBSERVATIONS ON TAPE)
2	12-INORGANIC CHEMISTRY SITES
	13-BIOLOGICAL SITES

HIT ENTER TO CONTINUE

K D H E - K W D B S T A T I O N M A S T E R M E N U

PLEASE CHOOSE THE OPTION DESIRED BY PUTTING X IN APPROPIATE FIELD

SUMMARIZE: LIST ALL: X

TRSEXTK OR ALIAS:
TRS: 1007E28
TR:

K D H E - K W D B S T A T I O N M A S T E R L I S T

	T R S EXTK	FLAGS
1.	1007E280001	....W.....I.
2.	1007E280002	.....U.....
3.	1007E280003	....W.....
4.	1007E280004	..J.....
5.	1007E280005	.....L...
6.	1007E280006	.....U.....
7.	1007E280007	....W.....I.
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

S--SALT WATER POND
P--POP OFF PIT
J--INJECTION WELL
E--EMERGENCY POND
W--WATER WELL
U--UNDERGROUND STORAGE TANK
X--WASTE WATER SITE
D--DRINKING WATER SITE
H--HAZARDOUS WASTE SITE
L--LANDFILL SITE
O--ORGANIC CHEM SAMPLES
I--INORGANIC CHEM SAMPLES
B--BIOLOGICAL SAMPLES

ENTER 0 TO CONTINUE OR ENTER NUMBER(1-16) AND FILE LETTER TO ACCESS DATA: 1W

W A T E R W E L L S Y S T E M PAGE 1 OF

LEGAL DESCRIPTION							
COUNTY	T	R	S	EXT	FRACTION	WELL OWNER	DWR APP NUMBER
081	10	07E	28	0001	SWSW	PROCTOR	

WELL DEPTH	ELEVATION	FORMATION	*DEPTH GRNDWTR ENCTRD* FEET	STATIC WATER LEVEL
0070		0000		0025

PUMP TEST DATA

WATER DEPTH	HOURS PUMPD	YIELD GPM	EST. YIELD	WELL USE	CHEM ANAL	TYPE CASING	******* CASING ******* *DIA.	FT.	DIA.	FT.
			0050	01	Y	02	05			

CASING* DIA.	FT.	TYPE OF SCREEN	********** SCREEN INTERVALS ********** FROM	TO	FROM	TO	FROM	TO	FROM	TO
		07	0044	0054						

GROUT MATERIAL	********** GROUT INTERVALS********** FROM	TO	FROM	TO	FROM	TO	NEW WELL	COMPT. DATE	CONTRAC. LIC. NUM.	NEA CNT
3	0000	0030					1	042484	0234	

1:CLAY	6:VF SD	11:GRAVEL	16:VC GR	21:SH&LS	26:CHTY DOL	31:CALICHE	
2:SILT	7:F SD	12:VF GR	17:SD&GR	22:CHTY LS	27:COAL	32:FLINT	
3:SILTY CL	8:M SD	13:F GR	18:BLDR	23:SS	28:ROCK	33:CHERT	36:GY
4:SDY CL	9:C SD	14:M GR	19:SH	24:SS&SH	29:ROCK&SD	34:PYRITE	
5:SAND	10:VC SD	15:C GR	20:LS	25:DOLOMITE	30:ROCK&CL	35:CLAY GR	

PAGE 2 OF 2

DEPTH	LOG	DEPTH	LOG	DEPTH	LOG
0000-					
0014	01				
0025	03				
0050	05				
0070	08				

LOT 4 ADDY ADDITION 83 SUBDIVISION

K D H E - K W D B I N O R G A N I C S A M P L E S

FOR TRSEXTK: 1007E280001

	LAB: KDHE DATE: 850301 MATRIX: WATER	LAB: KDHE DATE: 851104 MATRIX: WATER
IRON	100	500
MANGANESE		
ARSENIC		
BARIUM		
CADMIUM		
CHROMIUM	<.005	.007
COPPER	<.001	.003
LEAD		
MERCURY		
SELENIUM		
SILVER		
ZINC		
ALUMINUM		

K D H E - K W D B U N D E R G R O U N D S T O R A G E T A N K

T R S EXTK	SUBSTANCE	CAPACITY -GALLONS-	AGE -YRS-
1007E280002	GASOLINE	10000	12

W A T E R W E L L S Y S T E M PAGE 1 O

LEGAL DESCRIPTION						
COUNTY	T	R	S	EXT	FRACTION	WELL OWNER	DWR APP NUMBER
081	10	07E	28	0003	SWSW	PROCTOR	

WELL DEPTH	ELEVATION	FORMATION	*DEPTH GRNDWTR ENCTRD* FEET	STATIC WATER LEVEL
0068		0000		0022

PUMP TEST DATA

WATER DEPTH	HOURS PUMPD	YIELD GPM	EST. YIELD	WELL USE	CHEM ANAL	TYPE CASING	******* CASING ******* *DIA.	FT.	DIA.	FT.
			0050	01	N	02	05			

CASING* DIA.	FT.	TYPE OF SCREEN	********** SCREEN INTERVALS ********** FROM	TO	FROM	TO	FROM	TO	FROM	TO
		07	0040	0054						

GROUT MATERIAL	********** GROUT INTERVALS********** FROM	TO	FROM	TO	FROM	TO	NEW WELL	COMPT. DATE	CONTRAC. LIC. NUM.	NEA CN
3	0000	0030					1	051584	0234	

1:CLAY	6:VF SD	11:GRAVEL	16:VC GR	21:SH&LS	26:CHTY DOL	31:CALICHE	
2:SILT	7:F SD	12:VF GR	17:SD&GR	22:CHTY LS	27:COAL	32:FLINT	
3:SILTY CL	8:M SD	13:F GR	18:BLDR	23:SS	28:ROCK	33:CHERT	36:G
4:SDY CL	9:C SD	14:M GR	19:SH	24:SS&SH	29:ROCK&SD	34:PYRITE	
5:SAND	10:VC SD	15:C GR	20:LS	25:DOLOMITE	30:ROCK&CL	35:CLAY GR	

PAGE 2 OF 2

DEPTH	LOG	DEPTH	LOG	DEPTH	LOG
0000-					
0038	01				
0068	03				

LOT 22 ADDY ADDITION 80 SUBDIVISION

O I L F I E L D A N D E N V I R O N M E N T A L
G E O L O G Y

T R S EXTK	F1	F2	F3	F4	COUNTY	LEASE NAME	WELL NUMBER
1007E280004			NW	NE	008		

PERMIT NUMBER	COMPANY NAME	COMPANY NUMBER	ACTION DATE	RIV BAS	WELL STATUS	TYPE ACTION	PRODUCING FORMATION
D07259		BB80	061959	AL		1	44

INJECTION FORMATION	UPPER INJ-DP.	SURFACE PIPE-DP.	CASING SEALED	ADD-PIPE PROTECTN	MAX. PRESSURE	BBLS BRINE
44	2776	2776	B	0	0000	00360

CHLORIDES	TONS OF SALT	MIT	MIT DATE	ELEVATION	FLUID LEVEL	SEALED BY	INVEST.
000000	00000		000000	0000			

TYPE SAMPLE

K D H E - K W D B S A N I T A R Y L A N D F I L L S

T R S EXTK	COUNTY	1982 CUBIC YARDS	1983 CUBIC YARDS	1984 CUBIC YARDS	1985 CUBIC YARDS
1007E280005	RILEY	200000	235000	290000	407000

K D H E - K W D B U N D E R G R O U N D S T O R A G E T A N K

T R S EXTK	SUBSTANCE	CAPACITY -GALLONS-	AGE -YRS-
1007E280006	DIESEL	5500	20

W A T E R W E L L S Y S T E M

COUNTY	LEGAL DESCRIPTION T R S EXT	FRACTION	WELL OWNER	DWR APP NUMBER
081	1007E280007	SWSW		

WELL DEPTH	ELEVATION	FORMATION	*DEPTH GRNDWTR ENCTRD* FEET	FEET	FEET	STATIC WATER LEVEL
0050		0000				0022

PUMP TEST DATA

WATER DEPTH	HOURS PUMPD	YIELD GPM	EST. YIELD	WELL USE	CHEM ANAL	TYPE CASING	******* CASING ******* *DIA.	FT.	DIA.	FT.
			0050	01	Y					

CASING* DIA.	FT.	TYPE OF SCREEN	********** SCREEN INTERVALS ********** FROM	TO	FROM	TO	FROM	TO	FROM	TO
			0045	0050						

GROUT MATERIAL	********** GROUT INTERVALS********** FROM	TO	FROM	TO	FROM	TO	NEW WELL	COMPT. DATE	CONTRAC. LIC. NUM.	NEA CNT
							1	050376	0182	

1:CLAY	6:VF SD	11:GRAVEL	16:VC GR	21:SH&LS	26:CHTY DOL	31:CALICHE	
2:SILT	7:F SD	12:VF GR	17:SD&GR	22:CHTY LS	27:COAL	32:FLINT	
3:SILTY CL	8:M SD	13:F GR	18:BLDR	23:SS	28:ROCK	33:CHERT	36:GV
4:SDY CL	9:C SD	14:M GR	19:SH	24:SS&SH	29:ROCK&SD	34:PYRITE	
5:SAND	10:VC SD	15:C GR	20:LS	25:DOLOMITE	30:ROCK&CL	35:CLAY GR	

DEPTH	LOG	DEPTH	LOG	DEPTH	LOG
0000-					
0004	01				
0025	04				
0042	05				
0050	15				

K D H E - K W D B I N O R G A N I C S A M P L E S

FOR TRSEXTK: 1007E280007

	LAB: KDHE	LAB:
	DATE: 850301	DATE:
	MATRIX: WATER	MATRIX:
IRON----------	100	
MANGANESE---------		
ARSENIC----------	<.001	
BARIUM----------		
CADMIUM----------		
CHROMIUM---------	<.005	
COPPER----------	<.001	
LEAD----------		
MERCURY----------		
SELENIUM---------	.01	
SILVER----------		
ZINC----------		
ALUMINUM---------		

systems for locating sample sites. Estimates are that it could currently take as much as two to three months to pull out all available data on a discrete geographical region within the State.

In order to remedy this situation, an environmental technologist ---someone familiar with contaminants, media, and information systems ---would need to review existing data and standardize localities on the basis of Section, Township, Range and Direction. This system, which correlates to the State's legal documents, will be automatically translated into the latitude and longitude description required for EPA purposes. A rough estimate is that the environmental technician's services would be required for one year and would include review and revision of existing records, and training field staff to correctly describe the location of sample sites. After the year's effort, maintenance of correct files would be manageable under existing resources.

As the Kansas Water Database is completed and becomes a more accessible and useful tool in day-to-day decision making, the graphical representation of information will become more critical. KDHE currently has access a number of graphics software programs. Moreover, we anticipate that the number and use of graphics programs will grow rapidly in the next few years. In order to take full advantage of these capabilities, KDHE needs high-resolution graphics equipment.

The Pilot Project Work Plan contained in its list of budgeting needs the following computer graphics package:

Computer Graphics Capability

• Color Graphics display Terminal (such as Tektronics CS4107)	$ 9,000
• Color Graphics Handcopy (Ink Jet) Printer (such as Tektronics 4695)	$ 1,800
• A Four to Eight Pen, D-Size Plotter	$10,000
• A digitizer	$ 5,000
• An appropriate Modem	$ 500
• A Regular Printer (such as Deck LA-120 R.A., standing model)	$ 2,000
TOTAL	$28,300

After the interviews, we would continue to view this equipment as a high priority need.

The aforementioned needs---for the services of an environmental tech, and computer graphics capability---are short-term and critical. Clearly, the greatest long-term need is accurate, accessible information of environmental toxicology.

At present, KDHE has a small Environmental Toxicology Section within the Bureau of Air Quality and Radiation control. For the most part, this section does exposure analysis on a case-by-case basis. In spite of the efforts and good intentions, limited resources prevent the Environmental Toxicology staff from adequately addressing this agency's informational needs.

Interview participants cited as most urgent the following:

- o Better risk assessment/risk management information.
- o Better access to toxicology information clearing houses.