

File No. **49,566** 15. Formation Code: Drainage Basin: Little Arkansas River County: HV Special Use: Stream:

16. Points of Diversion										17. Rate and Quantity				
T MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W		Authorized Rate gpm	Quantity mgy	Additional Rate gpm	Quantity mgy	Overlap PD Files
DEL	85064													

18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

19. Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____
 Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

20. Meter Required? Yes No To be installed by _____ Date Acceptable Meter Installed _____

21. Place of Use T MOD DEL ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files	
						NE ¼	NW ¼	SW ¼	SE ¼																	
DEL	67599																									
DEL	67600																									

Comments:
FAIL SAFE YIELD – GMD #2 RECOMMENDATION

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: October 19, 2016

FROM: Austin McColloch

RE: Application, File No. 49,566

Gordon Bergkamp filed a new application for appropriation of water for beneficial use, File No. 49,566, which was received on February 29, 2016. The application is proposing the appropriation of 200.2 acre-feet of groundwater for irrigation use at a diversion rate of 1000 gpm. The proposed well was to be located in the Northwest Quarter of the Northwest Quarter of the Southwest quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 18, more particularly described as being near a pint 2,000 feet North and 4,700 feet West of the Southeast corner of said section, in Township 23 South, Range 2 West, Harvey County, Kansas within the Little Arkansas River Drainage Basin. There are no overlapping files for the proposed point of diversion or place of use.

The point of diversion is also located in Equus Beds Groundwater Management District No. 2. On March 7, 2016, a copy of the application was sent to GMD No. 2 for recommendation.

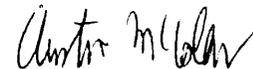
On April 27, 2016, Tim Boese, GMD No. 2 Manager, provided a test log for the proposed point of diversion.

In a letter dated September 15, 2016, GMD No. 2 recommended denial of the application due to failure to comply with K.A.R. 5-22-7(a) Safe Yield.

The applicant was sent a letter on September 15, 2016 explaining the failure to meet regulation stating that it would be recommended to the Chief Engineer that pending application, File No. 49,566 be denied and dismissed, as required by K.A.R. 5-22-7(a). The applicant was provided 15 days (until September 30, 2016) to either (1) submit additional information to our office or (2) request additional time beyond the 15 days to submit additional information.

No additional information of any kind was received from the applicant. Therefore, based on the existing information, it is recommended that application File No. 49,566 be denied and dismissed.

A Findings and Order has been prepared to dismiss the application under the referenced file.



Austin McColloch
Environmental Scientist

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

GORDON J BERGKAMP
18826 W 1ST ST
BURRTON KS 67020-9016

October 24, 2016

FILE COPY

RE: Application,
File No. 49,566

Dear Mr. Bergkamp:

Enclosed is the Findings and Order by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, dismissing Application, File No. 49,566 for failure to comply with K.A.R. 5-22-7(a).

This Order shall become a final agency action, as defined by K.S.A. 77-607(b), without further notice to the parties, if a request for hearing or a petition for administrative review is not filed as set forth below.

Request for Hearing. According to K.A.R. 5-14-3(c), any party who desires a hearing must submit a request within 15 days after the date shown on the Certificate of Service attached to this Order. Filing a request for a hearing will give you the opportunity to submit additional facts for consideration, contest any findings made by the Chief Engineer, or present any other information you believe should be considered in this matter. A timely-filed request for hearing will stay the deadline for requesting administrative review of this Order pending the outcome of the hearing.

Petition for Review. The applicant, if aggrieved by this Order, may petition for administrative review, pursuant to K.S.A. 82a-71 1(c) and K.S.A. 82a-1 90 1(a). The petition must be filed within 30 days after the date shown on the Certificate of Service attached to this Order and must set forth the basis for the review, unless stayed by the timely filing of a request for hearing. Any request for hearing or petition for administrative review shall be in writing and shall be submitted to the attention of: Chief Legal Counsel, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, Fax: (785) 564-6777.

If you have any questions, please contact our office. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Brent A. Turney, P.G.
Change Application Unit Supervisor
Water Appropriation Program

BAT:am

Enclosures

pc: Stafford Field Office
Groundwater Management District No. 2
William J. & Margaret A. Bergkamp



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

**FINDINGS AND ORDER
IN THE MATTER OF THE
DISMISSAL OF APPLICATION
FILE NO. 49,566**

After due consideration, the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture (hereinafter referred to as the "Chief Engineer"), makes the following findings and order:

FINDINGS

1. That on February 29, 2016, the Chief Engineer received an application from Gordon Bergkamp for permit to appropriate water for beneficial use, assigned File No. 49,566, proposing the appropriation of 200.2 acre-feet of groundwater, per calendar year, for irrigation use, at a maximum requested diversion rate of 1,000 gallons per minute, from a point of diversion located in the Northwest Quarter of the Northwest Quarter of the Southwest Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 18, more particularly described as being near a point 2,000 feet North and 4,700 feet West of the Southeast corner of said section, in Township 23 South, Range 2 West, Harvey County, Kansas, within the Little Arkansas river Basin. The proposed point of diversion is located within the Equus Beds Groundwater Management District No. 2 (GMD No. 2).
2. That on March 7, 2016, a copy of the application was submitted to GMD No. 2. GMD No. 2 recommended denial of the application in a letter dated on September 14, 2016. In the letter they stated that the application does not comply with the District's Safe Yield Regulation K.A.R. 5-22-7(a), as existing and proposed consumptive appropriations exceed the maximum allowable appropriation.
3. That on September 15, 2016, a letter was mailed to the applicant stating that the application did not comply with the safe yield requirements of K.A.R. 5-22-7(a), and that the application would be submitted to the Chief Engineer with a recommendation that the pending application be denied and dismissed, for failure to meet safe yield criteria. The applicant was provided 15 days, until September 30, 2016 to either submit additional information to our office or request additional time, prior to final action on the application. No additional information was received from the applicant.
4. That the applicant, has not submitted additional information for consideration, for Application, File No. 49,566, thus the application should be denied and dismissed and its priority forfeited for failure to comply with K.A.R. 5-22-7(a).

ORDER

NOW, THEREFORE, It is the decision and order of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, that effective the date of this order, in accordance with the law, Application, File No. 49,566, is herewith dismissed and the priority assigned to it is considered to be forfeited.

This Order shall become a final agency action, as defined by K.S.A. 77-607(b), without further notice to the parties, if a request for hearing or petition for administrative review is not filed as set forth below.

Request for Hearing. According to K.A.R. 5-14-3(c), any party who desires a hearing must submit a request within 15 days after the date shown on the Certificate of Service attached to this Order. Filing a request for a hearing will give you the opportunity to submit additional facts for consideration, contest any findings made by the Chief Engineer, or present any other information you believe should be considered in this matter. Timely-filed request for hearing will stay the deadline for requesting administrative review of this Order pending the outcome of the hearing.

Petition for Review. The applicant, if aggrieved by this Order, may petition for administrative review, pursuant to K.S.A. 82a-711(c) and K.S.A. 82a-1901(a). The petition must be filed within 30 days after the date shown on the Certificate of Service attached to this Order and must set forth the basis for review, unless stayed by the timely filing of a request for hearing.

Any request for hearing or petition for administrative review shall be in writing and shall be submitted to the attention of: Chief Legal Counsel for the Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502. If you have questions or would like clarification concerning this order, you may contact the Chief Engineer.

Ordered this 24th day of October, 2016, in Topeka, Shawnee County, Kansas.

Lane P. Letourneau

Lane P. Letourneau, P.G.
Water Appropriation Program Manager
Division of Water Resources
Kansas Department of Agriculture

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 24th day of October, 2016, by Lane P. Letourneau, P.G., Water Appropriation Program Manager, Division of Water Resources, Kansas Department of Agriculture.



Danielle Wilson

Notary Public

CERTIFICATE OF SERVICE

On this *24* day of *October*, 2016, I hereby certify that the foregoing Dismissal of Application, File No. 49,566, dated *October 24*, 2016, was mailed postage prepaid, first class, US mail to the following:

GORDON J BERGKAMP
18826 W 1ST ST
BURRTON KS 67020-9016

With photocopies to:

WILLIAM J & MARGARET A BERGKAMP
417 S GOLDEN PRAIRIE RD
HALSTEAD KS 67056

Groundwater Management District No. 2

Stafford Field Office


Division of Water Resources

APPLICATION COMPLETE

9/30/16
Reviewer AM

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49,566
This item to be completed by the Division of Water Resources.

WATER RESOURCES
RECEIVED

APPLICATION FOR PERMIT TO
APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

FEB 29 2016

12:54
KS DEPT OF AGRICULTURE

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Gordon J. Bergkamp
Address: 18862 W. 1st Street
City: Burton State KS Zip Code 67020
Telephone Number: (316) 830-0079

2. The source of water is: surface water in _____ (stream)
OR groundwater in Little Arkansas River Basin - Equus Beds Aquifer (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 200.2 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 1000 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):

- (a) Artificial Recharge
- (b) Irrigation
- (c) Recreational
- (d) Water Power
- (e) Industrial
- (f) Municipal
- (g) Stockwatering
- (h) Sediment Control
- (i) Domestic
- (j) Dewatering
- (k) Hydraulic Dredging
- (l) Fire Protection
- (m) Thermal Exchange
- (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:							
F.O. <u>2</u>	GMD <u>2</u>	Meets K.A.R. 5-3-1 <u>(YES/NO)</u>	Use <u>IR12</u>	Source <u>G/S</u>	County <u>HV</u>	By <u>AJW</u>	Date <u>2/29/16</u>
Code <u>2E2</u>	Fee \$ <u>300</u>	TR # <u>16030891</u>	Receipt Date <u>2/19/16</u>	Check # <u>7682</u>			

3/3/2016 CCM

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the NW quarter of the NW quarter of the SW quarter of Section 18, more particularly described as being near a point 2000 feet North and 4700 feet West of the Southeast corner of said section, in Township 23 South, Range 2W East/West (circle one), Harvey County, Kansas.
- (B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Gordon J. Bergkamp, 18862 W. 1st Street, Burrton, KS 67020. 316-830-0079

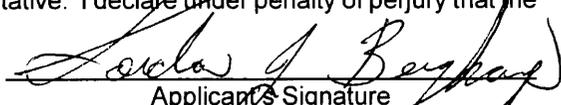
(name, address and telephone number)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 2-18, 2016.


Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of one well
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) May 1, 2017
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be June 1, 2017
(Mo/Day/Year)

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49,566

Name of Applicant (Please Print): Gordon J. Bergkamp

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Gordon J. Bergkamp
 ADDRESS: 18862 W. 1st Street, Burrton, KS 67020. 316-830-0079

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE													
18	23	2W									40	38							78

Landowner of Record NAME: William J. Bergkamp Trust & Margaret Bergkamp Trust
 ADDRESS: 429 S. Golden Prairie Rd., Halstead, KS 67056. 316-835-3295

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
18	23	2W											37.5	38.5					76

Landowner of Record NAME: _____ 154
 ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE													

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Carway-Dillhut-Solvay</u>	<u>30.7</u>	<u>0.00-0.06</u>	<u> </u>
<u>Carwile fine sandy loam</u>	<u>68.6</u>	<u>0.06-0.20</u>	<u>3</u>
<u>Pratt loamy fine sand</u>	<u>0.3</u>	<u>6.00-20.00</u>	<u>11</u>
<u>Saltcreek & Naron fsl</u>	<u>0.4</u>	<u>0.06-0.20</u>	<u>7</u>
<u>Total:</u>	<u>100 %</u>		

b. Estimate the average land slope in the field(s): 1 %

Estimate the maximum land slope in the field(s): 2 %

c. Type of irrigation system you propose to use (check one):

- Center pivot Center pivot - LEPA "Big gun" sprinkler
 Gravity system (furrows) Gravity system (borders) Sideroll sprinkler

Other, please describe: Possible Flood or Subsurface Drip Irrigation for corners

d. System design features:

i. Describe how you will control tailwater: Will schedule and apply irrigation to eliminate run-off

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: _____ psi
- (2) What is the sprinkler package design rate? _____ gpm
- (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? _____ feet
- (4) Please include a copy of the sprinkler package design information.

NOT available at this time

e. Crop(s) you intend to irrigate. Please note any planned crop rotations: Corn, soybeans, milo, wheat

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation). Contract with crop consultant

You may attach any additional information you believe will assist in informing the Division of the need for your request.

Feb 18th 2016
(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application File No. 49,566

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

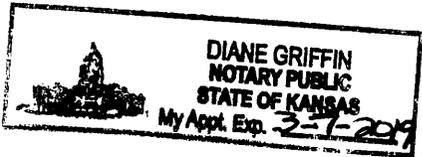
Gordon J. Bergkamp
Signature of Applicant
Gordon J. Bergkamp
(Print Applicant's Name)

State of Kansas)
County of Harvey) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 18th day of February, 2016.

Diane Griffin
Notary Public

My Commission Expires: 3-7-2019



WATER RESOURCES
RECEIVED
FEB 29 2016

**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River

Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

- 9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

- 10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here NA
- If no, explain here why a Water Structures permit is not required NA

- 11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

- 12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

None

WATER RESOURCES
RECEIVED

FEB 29 2016

KS DEPT OF AGRICULTURE
SCANNED

Applicant requests 60 days to conduct test drilling & submit the log.

File No. _____

13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of CO-OWNER
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

Gordon J. Bergkamp, 18862 W. 1st Street, Burrton, KS 67020. 316-830-0079

(name, address and telephone number)

William J. & Margaret Bergkamp Trusts, 429 S. Golden Prairie Rd., Halstead, KS 67056. 316-835-3295

(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Halstead, Kansas, this 18th day of February, 2016.
(month) (year)


(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by T. Boese

GMD2/Manager
(office/title)

Date: February 18, 2016

McColloch, Austin

From: Tim Boese <tboese@gmd2.org>
Sent: Wednesday, April 27, 2016 10:33 AM
To: McColloch, Austin
Subject: No. 49566
Attachments: 49566_test_log.pdf

WATER RESOURCES
RECEIVED

APR 27 2016

KS DEPT OF AGRICULTURE

Austin - Pursuant to our telephone conversation today, the District is forwarding you the test log for Application No. 49566 on behalf of the applicant, Gordon Bergkamp.

If you need anything else, please let me know.

Thanks.

Tim Boese, Manager
Equus Beds GMD2
313 Spruce, Halstead, Kansas 67056
316-835-2224
Fax: 316-835-2225
tboese@gmd2.org
www.gmd2.org

Wells Within 1/2 Mile

1. Domestic Well
Barton & Maeanna Regier
917 N. River Park Road
Burrton, KS 67020
2. Irrigation Well No. 45227
Flickinger Family Trust
431 N. River Park Road
Burrton, KS 67020
3. Domestic Well
Flickinger Family Trust
431 N. River Park Road
Burrton, KS 67020
4. Domestic Stock-watering Well
Ivan & Bertha Bontrager Trust
PO Box 224
Hesston, KS 67062
5. Irrigation Well No. 37334
William J. Bergkamp Trust & Margaret Bergkamp Trust
429 S. Golden Prairie Road
Halstead, KS 67056

WATER RESOURCES
RECEIVED

FEB 29 2016

KS DEPT OF AGRICULTURE

SCANNED

FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

WATER RESOURCES
RECEIVED

FEB 29 2016

KS DEPT OF AGRICULTURE

SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

FILE COPY

September 15, 2016

GORDON J BERGKAMP
18826 W 1ST ST
BURRTON KS 67020-9016

RE: Application
File No. 49,566

Dear Mr. Bergkamp:

We have received a recommendation from the Equus Beds Groundwater Management District No. 2 that the referenced Application for Permit to Appropriate Water for Beneficial Use be denied. This recommendation has been based upon the groundwater management program adopted by the District and approved by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture.

We are advising you of this recommendation in order to allow you an opportunity to consult with the District regarding their recommendation if you have not already done so. If you have already contacted the District regarding this recommendation, then we are allowing you this opportunity to submit to this office any additional you wish to have considered before the Chief Engineer.

We will delay any further action on the referenced application until **September 30, 2016**, at which time the application will be submitted to the Chief Engineer for final decision.

If you have any questions, please contact our office at (785)564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Austin McColloch
Environmental Scientist
Water Appropriation Program

AM

pc: Stafford Field Office
Groundwater Management District No. 2

SCANNED

FRED SEILER, PRESIDENT
VIN KISSICK, VICE PRESIDENT
JEFF WINTER, SECRETARY
MIKE MCGINN, TREASURER
TIM BOESE, MANAGER
THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
DAVID BOGNER
ALAN BURGHART
JOE PAJOR
BOB SEILER
DAVID STROBERG

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 SPRUCE STREET • HALSTEAD, KANSAS 67056-1925 • PHONE (316) 835-2224 • FAX (316) 835-2225 • equusbeds@gmd2.org • www.gmd2.org

September 14, 2016

Chief Engineer, Division of Water Resources
Attn: Austin McColloch
1320 Research Park Dr.
Manhattan, KS 66502

WATER RESOURCES
RECEIVED

SEP 16 2016

Re: Appropriation Application No. 49566 – Gordon J. Bergkamp

KS DEPT OF AGRICULTURE

Dear Mr. McColloch:

The Equus Beds Groundwater Management District reviewed the referenced application on September 14, 2016, using the District's Revised Management Program (effective May 1, 1995) and Rules and Regulations K.A.R. 5-22-1 through 5-22-17.

The District's review found that the application does not comply with the District's Safe Yield Regulation K.A.R. 5-22-7(a), as existing and proposed consumptive appropriations exceed the maximum allowable.

Based upon the review findings, the application is recommended for denial by the Equus Beds Groundwater Management District.

A District decision may be appealed to the District Board of Directors by submitting a written petition to the District office within 30 days from date of this notification, pursuant to K.A.R. 5-22-12. An appeal petition must state the basis for the appeal and must include information/documentation supporting the appeal.

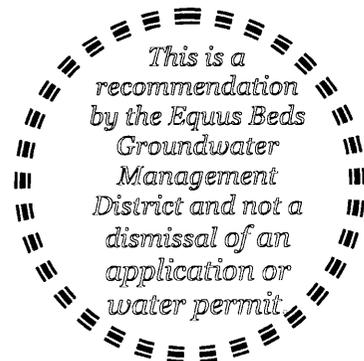
Please contact the District should you have any questions regarding the review or recommendation.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese,
Manager
TDB/STF

Enclosures

pc: Gordon J. Bergkamp, Applicant and Landowner, with copy of K.A.R. 5-22-12
William J. Bergkamp Trust & Margaret Bergkamp Trust, Landowners
Ivan & Bertha Bontrager, Nearby Well Owners
Jeff Lanterman, Division of Water Resources, Stafford



SCANNED

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2 FINAL APPLICATION REVIEW CHECKLIST

1) Application No. 49566 Date filed: February 29, 2016
 2) Proposed maximum quantity: 200.2 acre-feet/year Rate: 1000 GPM
 3) Proposed Use: Irrigation
 4) P/D location: NWNWSW 18-23S-2W Geo Center: North 2000 ft, West 4700 ft
 5) Number and type of points of diversion listed on the application 1 Well

6) Is the well location on the app the same on the evaluation sheet? Yes No
 7) Meter required K.A.R. 5-22-4a or K.A.R. 5-22-8? Yes No, Why
 8) Meets change app requirements K.A.R. 5-22-8? Yes No N/A

9) Meets Safe Yield K.A.R. 5-22-7? Yes No N/A
 9(b) Safe yield total allowable appropriations: 4021 af/yr
 9(a) Safe yield analysis total existing appropriations: 12583.6 af/yr
 9(c) Total appropriations for small user exemptions: 0.00 af/yr
 9(d) Total appropriations for non-consumptive use: 8000.00 af/yr
 9(e) Total appropriations for consumptive use: 4583.6 af/yr
 (total existing appropriations) - (non-consumptive appropriations)
 9(f) exempt from regulation? Yes No,
 Cite exemption:

10) Meets Well Spacing K.A.R. 5-22-2? Yes No N/A
 10(a) POD in enhanced well spacing area? Yes No
 10(b) Domestic well spacing interval: >660 ft
 10(c) Non-Domestic well spacing interval: >1320 ft

11) Meets Max Reasonable Quantity K.A.R. 5-22-14? Yes No N/A
 11(a) Irrigation max quantity: 1.3 acre-feet / acre
 application paragraph 3 value (acre-feet) / proposed acres = Q
 11(b) Stockwater max quantity: GPD unit
 11(c) Industry max quantity: Acre
 Industry standard:
 11(d) Municipal max quantity: GCD
 Lesser of either 200 GCD or
 $1.10 * (X - Y) * 365 d * (z + t)$
 X - Average of last three years usage in Gallons per Capita per Day (GCD)
 Y - water usage for industries that use over 200,000 gal/yr (GCD)
 Z - Projected population in 20 years
 T - Reasonable projected water use for industries that use over 200,000 gallons per year (GCD)
 11(e) Pond max quantity is
 (Net evap + seepage)/12 x pond area + any initial fill
 11(f) Groundwater pit max Q:
 Net evap * pit area/12

12) Reasonable rate for intended use? Yes No N/A
 13) Depth to water: 7 ft bls at observation well: IW3A

14) Date reviewed: 9/14/16
 15) Reviewed by: S. Flaherty Title: Hydrogeologist *Renewed 9-14-16*
 16) District recommendation: Approve Deny Other, see comment *TF*

17) Comments and Calculations:
 Review completed for a new application submitted by Gordon Bergkamp for Irrigation use in Harvey County.
 No Point of Diversion Overlap.
 New Place of Use.
 Item #9 - Does not comply with Safe Yield Regulation K.A.R. 5-22-7
 Item #11(a) - 200.2 acre-feet / 154 acres = 1.3 acre-feet / acre.
 Recommend denial, Does not comply with Safe Yield Regulation K.A.R. 5-22-7

**WATER RESOURCES
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SEP 16 2016

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KS DEPT OF AGRICULTURE

SAFEYIELD EVALUATION #49566

LOCATION: NWNWSW (2000'N & 4700'W) 18-23S-02W, Harvey County

SPECIAL USE AREA: None

EVALUATION DATE:- 7/27/2016

Total Areas: 8,042 acres; Area in 3 inch discharge zone: 0 acres; Area in 6 inch discharge zone: 8,042 acres

FILE_ID	WELL_ID	TOWNSHIP	RANGE	SECTION	QUALIFIER	USE	AUTHQUANTITY
A00208500	865	23S	02W	17	19801980	IRR	119
A00303600	671	23S	03W	14	NCNE	IRR	132
A01363900	998	23S	02W	20	13205200	IRR	120
A01364100	240	23S	02W	20	NCNW	IRR	138
A02494700	1120	23S	02W	20	13401600	IRR	225
A03281500	1526	23S	03W	24	39801320	IRR	224
A03717500	1234	23S	03W	14	13203960	IRR	137
A03733400	302	23S	02W	19	52303960	IRR	243
A03789800	1147	23S	03W	25	39604980	IRR	255
A03891300	1616	23S	03W	23	13201320	IRR	169
A03897300	1012	23S	02W	18	32171191	IRR	30
A04134100	1848	23S	03W	13	13203983	IRR	207
A04134200	849	23S	03W	23	39981400	IRR	101
A04181200	2199	23S	03W	24	11685210	IRR	131
A04199000	2245	23S	03W	24	26564691	IRR	128
A04522300	2973	23S	03W	1	3003135	IND	800
A04522700	2974	23S	03W	13	26001387	IRR	168
A04556700	3054	23S	03W	24	1055195	MUN	1000
A04556800	3055	23S	03W	23	52320159	MUN	1000
A04556900	3056	23S	02W	8	36655195	BNK	1500
A04557000	3057	23S	02W	8	28513878	BNK	1500
A04557100	3058	23S	02W	8	8042887	BNK	1500
A04557600	3063	23S	03W	12	695212	MUN	1000
A04844400	4095	23S	03W	14	13203960	IRR	30.7
A04862400	4110	23S	03W	11	13580680	IRR	96.2
A04870400	4182	23S	02W	29	50605100	MUN	500
A04877700	4136	23S	03W	23	38250050	IRR	89.7
VC012	1998	23S	02W	6	11751325	BF	104
VC013	1999	23S	02W	6	500600	BF	104
VC014	2000	23S	02W	7	40000125	BF	104
VC015	2001	23S	02W	8	32004350	BF	104
VC016	2002	23S	02W	8	21753500	BF	104
VC017	2003	23S	02W	8	9253075	BF	104
VC018	2004	23S	02W	8	1002000	BF	104
VC019	2005	23S	02W	17	48500700	BF	104
VC020	2006	23S	02W	17	36500250	BF	104
VC021	2007	23S	02W	17	23500050	BF	104

Allowable Appropriations	4,021.00	Total Existing Appropriation	12,583.60
Small User Quantity	0	Non Consumptive Appropriations	8,000.00
Remaining SUQ	45	Consumptive Appropriations	4,583.60
Note- Values are in acre-feet		Available Appropriations	0

WATER RESOURCES
RECEIVED

SEP 23 2016

KS DEPT OF AGRICULTURE

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

March 7, 2016

EQUUS BEDS GMD 2
313 SPRUCE ST
HALSTEAD KS 67056-1925

Re: Application
File No. 49,566

Dear Sir or Madam:

We are enclosing a copy of the application referred to above which appears to be in proper form.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendations concerning this application.

Please submit your recommendations within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (785) 564-6634. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth A. Kopp".

Kenneth A. Kopp
Environmental Scientist
Water Appropriation Program

Enclosure(s)

pc: Stafford Field Office

SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

March 31, 2016

BARTON & MAEANNA REGIER
917 N. RIVER PARK RD
BURRTON, KS 67020

Re: Application
File No. 49,566

Dear Mr. & Mrs. Regier:

This is to advise you that Gordon Bergkamp has filed the application referred to above for permit to appropriate 200.2 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 1,000 gallons per minute from a well or wells located as follows:

one (1) well located in the NW Quarter of the NW Quarter of the SW Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 18, more particularly described as being near a point 2,000 feet North and 4,700 feet West of the Southeast corner of said section, in Township 23 South, Range 2 West, Harvey County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion is also enclosed. Records in this office indicate that you may have a well or wells in this vicinity and you are notified of receipt of this application in order that you may be fully informed of the proposed location(s) of the applicant's point(s) of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter.

If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Austin J. McColloch".

Austin J. McColloch
Environmental Scientist
Water Appropriation Program

AM:
Enclosure(s)
pc: Stafford Field Office
Groundwater Management District No. 2

SCANNED
SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

March 31, 2016

FLICKINGER FAMILY TRUST
431 N. RIVER PARK RD
BURRTON, KS 67020

Re: Application
File No. 49,566

Dear Sir or Madam:

This is to advise you that Gordon Bergkamp has filed the application referred to above for permit to appropriate 200.2 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 1,000 gallons per minute from a well or wells located as follows:

one (1) well located in the NW Quarter of the NW Quarter of the SW Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 18, more particularly described as being near a point 2,000 feet North and 4,700 feet West of the Southeast corner of said section, in Township 23 South, Range 2 West, Harvey County, Kansas.

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If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Austin J. McColloch", with a checkmark at the end.

Austin J. McColloch
Environmental Scientist
Water Appropriation Program

AM:
Enclosure(s)
pc: Stafford Field Office
Groundwater Management District No. 2

SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

March 31, 2016

IVAN & BERTHA BONTRAGER TRUST
PO BOX 224
HESSTON, KS 67062

Re: Application
File No. 49,566

Dear Sir or Madam:

This is to advise you that Gordon Bergkamp has filed the application referred to above for permit to appropriate 200.2 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 1,000 gallons per minute from a well or wells located as follows:

one (1) well located in the NW Quarter of the NW Quarter of the SW Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 18, more particularly described as being near a point 2,000 feet North and 4,700 feet West of the Southeast corner of said section, in Township 23 South, Range 2 West, Harvey County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion is also enclosed. Records in this office indicate that you may have a well or wells in this vicinity and you are notified of receipt of this application in order that you may be fully informed of the proposed location(s) of the applicant's point(s) of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter.

If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Austin J. McColloch".

Austin J. McColloch
Environmental Scientist
Water Appropriation Program

AM:
Enclosure(s)
pc: Stafford Field Office
Groundwater Management District No. 2

SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

March 31, 2016

WILLIAM J. BERGKAMP TRUST &
MARGARET BERGKAMP TRUST
429 S. GOLDEN PRAIRIE RD
HALSTEAD, KS 67056

Re: Application
File No. 49,566

Dear Sir or Madam:

This is to advise you that Gordon Bergkamp has filed the application referred to above for permit to appropriate 200.2 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 1,000 gallons per minute from a well or wells located as follows:

one (1) well located in the NW Quarter of the NW Quarter of the SW Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 18, more particularly described as being near a point 2,000 feet North and 4,700 feet West of the Southeast corner of said section, in Township 23 South, Range 2 West, Harvey County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion is also enclosed. Records in this office indicate that you may have a well or wells in this vicinity and you are notified of receipt of this application in order that you may be fully informed of the proposed location(s) of the applicant's point(s) of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter.

If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Austin J. McColloch". The signature is written in a cursive style with a checkmark at the end.

Austin J. McColloch
Environmental Scientist
Water Appropriation Program

AM:
Enclosure(s)
pc: Stafford Field Office
Groundwater Management District No. 2

SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

March 31, 2016

GORDON J BERGKAMP
18826 W 1ST ST
BURRTON KS 67020-9016

Re: Pending Application,
File No. 49,566

Dear Mr. Bergkamp:

The Division of Water Resources has noted that the above referenced application has requested 60 days to conduct test drilling and submit the drilling log. The current deadline for your response is April 29, 2016; the purpose of this letter is to provide a reminder.

We will hold your application pending receipt of this information. If we do not hear from you on or before **April 29, 2016**, your application will be returned to you as being incomplete.

If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Austin J. McColloch", with a checkmark at the end.

Austin J. McColloch
Environmental Scientist
Water Appropriation Program

AM
pc: Stafford Field Office
Ground Water Management District No. 2

SCANNED



1320 Research Park Drive
Manhattan, Kansas 66502

Jackie McClaskey, Secretary

Phone: (785) 564-6700

Fax: (785) 564-6777

Email: ksag@kda.ks.gov

www.agriculture.ks.gov

Sam Brownback, Governor

March 1, 2016

GORDON J BERGKAMP
18862 W 1ST STREET
BURRTON KS 67020

RE: Application
File No. 49566

Dear Sir or Madam:

Your application for permit to appropriate water in 18-23S-2W in Harvey County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6634. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kenneth A. Kopp, P.G.
New Application Unit Supervisor
Water Appropriation Program

KAK: DLW
pc: STAFFORDField Office
GMD 2

SCANNED

Application Map - File No. 49,566



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

Sardo A. Bergkap
Signature

2-18-2016
Date

- New Application**
- Application No. _____ To Change:**
 - Point of Diversion
 - Place of Use
 - Use Made of Water
 - Proposed Point of Diversion
 - Existing Points of Diversion
 - Proposed Place of Use
 - Authorized Place of Use

Water wells within 1/2 mile of proposed point of diversion include: (type use, owner, address)

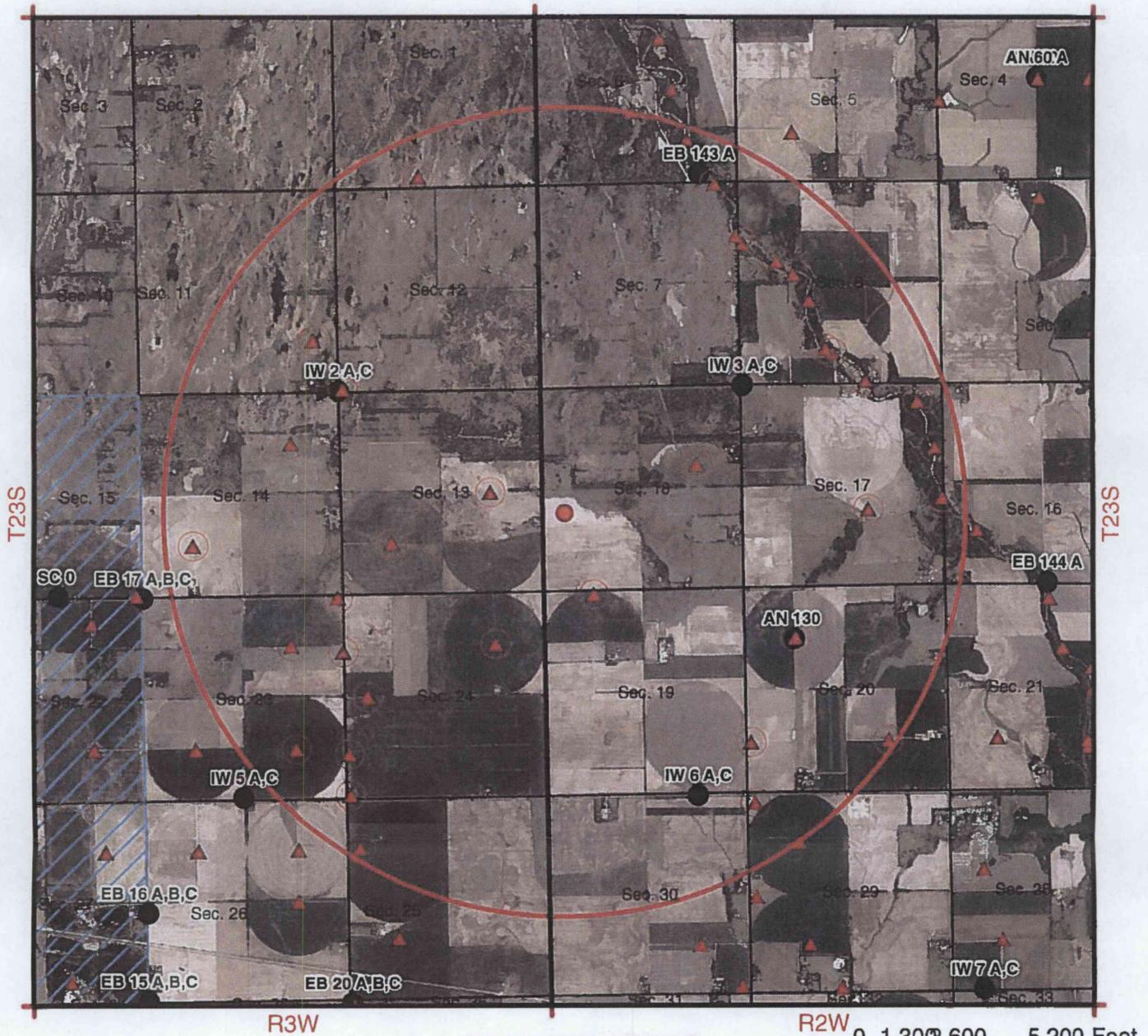
- 1) *See Attached*
- 2) **WATER RESOURCES RECEIVED**
- 3) **FEB 29 2016**

KS DEPT OF AGRICULTURE
SCANNED

Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation #49566 for Gordon Bergkamp
 NWNWSW (2000'N & 4700'W) 18-23S-02W, Harvey County

Prepared By: Stephen Flaherty Date: 7/27/2016



Map Legend

- Observation Well
- Proposed Point of Diversion
- Burrton IGUCA
- Hollow Nikkel SWQUA
- McPherson IGUCA
- Enhanced Well Spacing Area
- Proposed Place of Use
- Existing Points of Diversion
- Bedrock

Equus Beds Groundwater Management District No. 2
 313 Spruce Street, Halstead, KS 67056
 316-835-2224, equusbeds@amd2.org

WATER RESOURCES RECEIVED

SEP 23 2016

Equus Beds Groundwater Management District No. 2

Spacing Evaluation #49566 for Gordon Bergkamp
NWNWSW (2000'N & 4700'W) 18-23S-02W, Harvey County

Prepared By: Stephen Flaherty Date: 7/27/2016



Map Legend

- Observation Well
- ▨ Proposed Place of Use
- Bedrock

- Proposed Point of Diversion
- ▲ Existing Points of Diversion

0 165330 660 Feet
| | | | |

- Burton IGUCA
- Hollow Nikkel SWQUA
- McPherson IGUCA
- Enhanced Well Spacing Area

Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67066
316-835-2224, equusbeds@gmd2.org

SEP 23 2016



Legend

- Point of Diversion



Water Appropriation, file No. 49,566

Proposed Place of Use
 Sec 18 - Twp 23 S - Rng 2 W
 Harvey County Kansas

SCANNED