



City of

Harrisonville<sup>est.
1836</sup>

**AMENDED
AGENDA
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING**

**MEETING WILL OPEN AT THE POWER & WATER BUILDING
707 N. INDEPENDENCE-THEN IT WILL MOVE BACK TO CITY HALL**

SEPTEMBER 4, 2014

6:00 PM

I. Call to Order

A. Roll Call

II. Approval of Minutes

A. Public Works Committee - Regular Meeting - Aug 7, 2014 6:00 PM

III. Agenda Items

A. POWER AND WATER BUILDING

B. Fiber Optics Update

C. Water Tower Use

D. SOURCE WATER PROTECTION RCPP GRANT

E. SEPTAGE DUMPING PROHIBITED

F. PECULIAR SLUDGE AGREEMENT

IV. Stormwater Issues

V. Public Works Project Updates

A. Public Works Update September 2014

VI. Airport Reports

A. AIRPORT REPORT

VII. General Discussion

VIII. Adjourn

**This meeting will be open to the public.
Posted Amended Agenda on City Hall Bulletin Board this 3rd day of September**

Kim Hubbard, City Clerk



DRAFT
MINUTES
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
AUGUST 7, 2014
6:00 PM

I. Call to Order

The meeting was called to order at 6:00 PM by Member Kevin Wood

Attendee Name	Title	Status	Arrived
Kevin Wood	Member	Present	
Doug Meyer	Alternate	Absent	
Morris Coburn	Member	Present	
David Dickerson	Member	Present	
Ivan Stull	Chair	Absent	

Also: Director of Public Works Jerry Gibbs; Director of the Electric Utility Keith Thomas; Street Superintendent Rodney Jacobs; IT Director Jeremy Smith; Airport Manager James Green; Assistant Director of Public Works Eric Patterson; and Public Information Officer/Deputy City Clerk Sheryl Stanley, recording.

Others: Burns & McDonnell representatives Jeff Klein and Nathan Dunahee.

II. Approval of Minutes

A. Public Works Committee - Regular Meeting - Jul 3, 2014 6:00 PM Accepted

Morris Coburn moved and David Dickerson seconded the motion that the minutes be approved as presented. Motion carried.

III. Agenda Items

A. Fiber Optic Connections

Keith Thomas reported to the committee that the cost of fiber optics has come down to a point where he would like to establish a fiber glass trunk linking his office with the three substations. This could also be used to connect most city facilities, and could be expanded in the future to create a loop around the city.

Jeremy Smith expanded on his remarks, saying such a link would improve our connectivity and phones and would provide reliability, expandability, and speed. It should provide immediate savings to each facility. The only two facilities which could not easily

be brought into the system would be the airport and the Community Center, so more thought would have to be given to how best to include them.

The committee was receptive to the idea but asked for more information on our R.O.I.; maintenance of the system; and phasing of build-outs. Mayor Wood asked Director Thomas and Mr. Smith to gather more detail on the costs and return to the committee at the next meeting.

B. WTP Improvements-Scope of Services Adopted

Jeff Klein and Nathan Dunahee spoke to the committee about the next steps for improvement of the Water Treatment Plant, and showed a PPT. There are six primary goals and ozone is key to correcting many of our taste and odor issues.

The committee discussed the possibility of weekly meetings with public works staff and monthly stakeholder meetings to monitor the progress of the project as it goes forward.

Morris Coburn moved the scope of services be forwarded to the Board of Aldermen with a recommendation to pass and David Dickerson seconded the motion, which passed on a voice vote.

C. Power and Water Building

Director Gibbs reported on the environmental testing and structural inspections being done at the old power and water building. Mayor Wood stressed that razing of the building is not an acceptable option and the aldermen concurred. Director Gibbs was instructed to continue working on a plan to clean up the building so that it may be put to some useful purpose.

IV. Stormwater Issues

V. Public Works Project Updates

A. Public Works Update August 2014

Public Works Update - Assistant Director Eric Patterson reported on the various other public works projects in process around town. It was also reported that MoDOT has reimbursed the city \$99,000 which is the cost for utility relocation in the area of the Mechanic Street upgrade. This reimbursement was stipulated in the agreement signed earlier this year.

Members also remarked on the hydro-seeding done at the new Independence Street Bridge, the native plants and grasses growing in the creek channel, and the need to protect the transformer located on the east side of the police station.

VI. Airport Reports

A. Airport Report July 2014

James Green, airport manager, updated the committee on the activities at the airport. He said it does not appear that they will be able to secure a land donation to support the south hangar pavement rehab and connecting taxiway, so he was about to surrender the contract for that project. He also said the biennial Airport Open House is set for Saturday, Sept. 27. He plans to have a pancake breakfast, aircraft displays and free airplane rides. It was also reported that the airport is sharing the use of its crew car with the police department, which has a detective's car out of commission, and it is causing a problem when pilots fly in and need a car.

VII. General Discussion**VIII. Adjourn**

With all agenda items concluded, Morris Coburn moved the meeting be adjourned. David Dickerson seconded the motion. Motion carried.

Meeting adjourned at 7:23 p.m.

Kevin Wood, Mayor & Ex-Officio
Chairman of the Board of Aldermen

ATTEST:

Kim Hubbard, City Clerk

Minutes Acceptance: Minutes of Aug 7, 2014 6:00 PM (Approval of Minutes)



STAFF REPORT

TO: Public Works Committee
FROM: Eric Patterson, Asst. Director
DATE: August 22, 2014
SUBJECT: POWER AND WATER BUILDING

Type of Item: *Report*

BACKGROUND - The age of the Power Plant is uncertain. Our best guess is it was constructed prior to 1910. The Water Plant portion was added sometime after 1929. The Power Plant had two large above ground fuel tanks located on the southeast side of the building which have been removed, and a small day tank by the rear door which still exists. A garage building was removed and the current garage building, added in the 1950's, is located on the southwest corner of the lot across from the North Substation. One or more generator pits were covered with concrete by city crews in the eastern portion of the power plant area. One of the exposed pits at a central stairway to the lower level has water within 2 feet of the surface. No detailed knowledge exists of the construction methods used or the status of the contents of these pits at the time they were covered.

The diesel generators were removed by the mid 1980's. The Electric Department continued to occupy the building until the early 2000. The water treatment operations ceased upon completion of the water plant on Jefferson Parkway in the late 1970's. The building was used for minor storage over the next decade. No effort was made to maintain the asset. The materials that were placed in the open pit areas were not characterized nor controlled; the contents are not fully known.

ISSUE - Prepare property for transfer to a third party. City staff initially approached the project with the idea of just removing the water and dumped materials from the building and addressing the public safety hazards associated with the buildings related to unauthorized access. Environmental Advisors and Engineers, Inc. was retained to assist us in disposing of the barrels, liquid, and possible sludge. The city expressed a desire to give the building to a third party and place on the tax rolls. This effort would require cleaning up the facility, bringing the building up to code, replacing the roof structure, addressing safety hazards and cost in excess of \$250,000. The discussion expanded to known land uses surrounding the building in the early 1900's. The potential is there to discover an environmental impact from these land uses now or in the future. If due diligence is performed, the city will retain the risk in the event contamination from past operations is discovered in the future. An informed business person will request a Phase 1 environmental study to minimize their risk of being exposed to cleanup requirements. The city made a determination to begin a Phase 1 environmental effort to identify potential risks.

An extensive review of the historical land use records for the surrounding properties as part of the Phase I highlighted some business practices close to the property (railroad, mills, machine

shop, etc.) in the past with the potential for contributing to environmental contamination of the neighborhood, including the subsurface beneath the site property. The rule is that if significant contamination is discovered in the future (even if City use did not cause it), it may be required to be reported and the regulators may require it to be mitigated and or monitored to achieve acceptable risk levels regardless of the cost. It is noted that no significant contamination has been identified to date. However, in case contamination is identified later and the past businesses owners are not found or are found to not be financially viable to pay for additional investigation or remediation, regulators typically start with focusing on the most recent owners and the deepest pockets for attempting to impose financial and legal responsibilities. The city as the longtime owner of the property could be held responsible and could be required to further characterize the area and to potentially mitigate any identified significant contamination resulting from past city operations.

Reviewing the issue as a reward versus risk - If the city gives the property to a third party, the financial risk is high, control of the property is lost, the potential for discovery of environmental impacts for past operations at the site or from nearby properties is increased (and would likely force the City to pay for clean-up even with an agreement at the sale to not hold the City liable), and the reward is preserving the skeleton of a 100 year old power plant building.

The cost to bring the building up to code will be in excess of \$250,000. A Phase 1 Environmental Assessment would likely be required by the third party from liability concerns or the requirements of a financing party. Based on the history of the neighborhood, the conclusions of such a study by an environmental consultant are likely to be the recommendation for additional testing of the site subsurface. With forfeiting the direct control of the property and the ability to control testing operations, there is the potential for testing to be done by others in the future with the possibility of contamination to be identified. This discovery process could result in the city being liable as a past owner under environmental laws to conduct expensive site investigations and potential follow-up remediation operations of a scope and magnitude that cannot be estimated at this time for an indefinite period. The potential cost of required actions as a result of loss of control and discovery of significant contamination could be very high. The city would also have risks of potential exposures of lead, asbestos, mold, or other hazardous compounds to the public.

The reward is, building is added to tax rolls. The 3rd party tax portion would be 32% of the assessed value times \$6.955 per \$1000 of assessed valuation of an improved building.

If the building is torn down, the trash and other deposited materials can be removed properly or left in place during demolition if testing results allow. Under this scenario, the costs are more controlled and focused on the demolition and removal. This option also allows the city to maintain more control of the property, testing and minimizing future environmental liabilities.

Many of the environmental issues would apply to the garage building on the sw corner of the property. However the structural and liabilities issues are currently far less severe. The site is constrained limiting acceptable uses. There are many code issues that would need to be addressed. The building does not have the same urgency as the older buildings. If the desire is to keep the building, at a minimum a new electrical service to the building to accommodate a sump pump and leaks in the basement wall would need to be sealed. Next steps should be discussed at

a later meeting.

Jill Biesma of Environmental Advisors and Engineers, Inc. will be available to discuss the environmental issues and share potential environmental impacts for these options. If the Committee feels strongly to pursue a third party alternative, City Staff will work toward this effort.

A. Action Item (ID # 1542)

POWER AND WATER BUILDING



STAFF REPORT

TO: Public Works Committee
FROM: Kim Hubbard, City Clerk
DATE: August 28, 2014
SUBJECT: Fiber Optics Update

Type of Item: *Report*

Electric Department Director Keith Thomas and Systems Administrator Jeremy Smith will be attendance to give an update on the project.

B. Discussion Item (ID # 1548)

Fiber Optics Update



STAFF REPORT

TO: Public Works Committee
FROM: Eric Patterson, Asst. Director
DATE: August 25, 2014
SUBJECT: Water Tower Use

Type of Item: *Approval*

We have been asked by "MOREnet" (a company associated with the University of Missouri) that brings high speed internet to rural schools, such as Harrisonville and Cass Midway, for permission to attach equipment to the top of our water tower. This would provide a link to Freeman water stand pipe then on to Cass Midway School. At one time the City was looking to use their service to connect city offices to one another, since then we have found a better alternative.

Attached is a letter from them discussing who they are and what they do. They will have a representative at the meeting.

C. Action Item (ID # 1545)

Water Tower Use

Attachments:

Microsoft Word - HarrisonvilleMO_CityWTUseRequest doc (2).docx (PDF)



August 5, 2014

City of Harrisonville
Attn: Eric Patterson
300 E Pearl Street
Harrisonville, MO 64701

Mr. Patterson:

MOREnet would like to obtain permission from the City of Harrisonville to locate a microwave repeater on the top of the Harrisonville water tower located on the northwest corner of E Elm Street and N King Avenue. This repeater would connect the Harrisonville Public Schools to the Midway-Cass School District located west of Freeman, MO via another repeater on the standpipe in Freeman (and the city of Freeman has already approved MOREnet's use of the standpipe). This would allow MOREnet to better serve the Midway-Cass school district; we are looking at using the same repeater to also help the Briarwood School and the Cass County Library in Harrisonville.

The Missouri Research and Education Network (MOREnet) provides Internet connectivity, access to Internet2, technical support, videoconferencing services and training to Missouri's K-12 schools, colleges and universities, public libraries, health care, state government and other affiliated organizations. Established in 1991, MOREnet operates as a unit within the University of Missouri, and is based in Columbia, Missouri. The MOREnet network is the foundation infrastructure: members of the education community interact with each other via data and video services; public sector business applications are built and conducted on it; and Missouri citizens interact with their state government through it. MOREnet is not a private Internet service provider and does not provide services, including dial-up access, on an individual basis to individuals or businesses.

MOREnet operates on a cost-recovery model, and as a unit of the University of Missouri, has no profit motive. MOREnet leverages the state-wide demand for services and collective buying power of the membership to negotiate bulk purchases of services and products to lower costs to the membership. Over the last five consecutive years, MOREnet has been able to lower network connectivity costs to members each year, with reductions ranging from 3% to 12%. MOREnet also works with most of the telecommunications vendors in the state, and continues to negotiate lower rates for higher speeds as the vendors expand their networks.

However, in many areas of the state, connectivity to schools, libraries and cities is challenging due to the rural nature of the state and the high cost of providing high-speed access to these rural sites, even by the local or incumbent provider. In order to solve this issue for rural school districts, MOREnet has begun to partner with cities and PWSOs to utilize water towers and standpipes as antenna platforms for high-speed digital microwave systems. These systems can be installed for a fraction of the cost of taking fiber to a remote district, offering a way to provide the bandwidth needed to a district in a manner the district can afford.

To that end, MOREnet has engineered a series of microwave links that would serve the Midway-Cass school district, located west of Freeman, Missouri. MOREnet is also evaluating the possibility of serving the Cass County Library, the Briarwood School, and possibly East Lynne utilizing the same repeater on the water tower in Harrisonville. Utilizing the water tower is our preferred option, providing a very stable platform for our radios as well as eliminating the need to construct and maintain a 100+ft radio tower.

MOREnet has already contracted with KAMO Electric to extend the MOREnet fiber network into Harrisonville, creating a local node on the network at the Harrisonville Public Schools data center. I also understand that the Electric Department of the city is planning to install fiber around the city for city purposes. If the route of the fiber happens to go by the Harrisonville Schools data center at 503 S. Lexington and by the water tower, MOREnet would be interested in using the city fiber to reduce the number of microwave hops needed.

Depending on where the city fiber runs in relationship to other public agencies, MOREnet may be interested in utilizing the city fiber to provide connectivity to those locations as well. In addition, by connecting to the MOREnet node at the Harrisonville School District, the city itself could obtain Internet access as well as other services from MOREnet at a reduced cost, as there would be no carrier circuit involved. MOREnet would be interested in discussing any of these options with the City as appropriate.

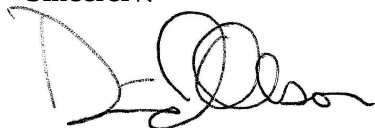
I've attached some photos of our equipment and mounting systems that would be used for this project. Each radio is approximately 24" tall, 16" wide and 12" deep and weighs around 20lbs. A single outdoor-rated Category 6 cable per radio is the only cabling needed; these cables are approximately 0.25" in diameter and provide power (48V DC), data and ground to the radio. Our mounting platforms use rare-earth magnets to attach to the tower with no drilling or glue, and provide the support needed for the radios. Finally, our power cabinet is a 30x36x16" NEMA-4 cabinet that houses the batteries, power supplies, and other equipment needed to operate the radios.

Also included is MOREnet's typical Memorandum of Understanding (MOU) that we enter into with other public organizations, such as cities and PWSDs, for the use of their water towers. This MOU is our 'starting point' for any discussion with the city- if there are any items in the MOU that the city is not comfortable with we will work out an acceptable solution; to date, no city or PWSD has not accepted the MOU with minor, if any, modifications. One item that is not addressed in the MOU is power; while MOREnet would appreciate the City providing the power to the cabinet (approx. 2A at 120V on a 15A breaker), a separate meter and service is also an option-we just need to know how you would like us to handle it.

Please let me know if there is anything else that you need to be able to present this request to the City and obtain approval. If approved, please have 2 copies of the MOU signed and returned to me; I will have the University countersign and return an original to you.

Thank you for your time and attention to this project.

Sincerely,



David Olson
Network Architect
Missouri Research and Education Network (MOREnet)
University of Missouri-System



This is the magnetic mount proposed for this project. The mount attaches to the tank using rare earth magnets and has a capacity of 600#-ft. This system removes all need for welding or gluing to the tank, and can be easily moved if repairs or painting needs to be done.



This is the proposed radio unit that would be mounted on top of the water tower. This particular radio is mounted to the catwalk railing of a 140ft water tower using an Andrew/Commscope mounting bracket and an aluminum mast pipe to provide clearance for the radio to be aimed.



This is a photo of a 48VDC power cabinet typical of what would be installed. The cabinet holds four 12v gel batteries, a power supply, the switching/charging controller, an Ethernet switch, and the power injectors for the radios (not shown in this photo as they were not installed yet). The cabinet is 36" high, 30" wide, and 16" deep. The cabinet can be supported by UniStrut set in concrete (as shown), set on a concrete block base, or mounted to a structure (building, tower leg, etc.) as needed.

AGREEMENT

THIS Agreement is made and entered into by and between **THE CURATORS OF THE UNIVERSITY OF MISSOURI**, a public corporation of the State of Missouri, contracting on behalf of the **Missouri Research and Education Network** (hereafter "MOREnet") and the **City of Harrisonville, Missouri** (hereinafter "City").

1) PURPOSE

The purpose of this Agreement is to specify services to be provided to MOREnet by the City on the Harrisonville water tower located on the northwest corner of E Elm Street and N King Ave in Harrisonville, MO (GPS coordinates 38.657108N, 94.341347W). The equipment will support the Midway-Cass School District and other nearby MOREnet members' connection to the MOREnet network.

2) BACKGROUND

- a) MOREnet desires to operate a microwave link between Harrisonville, Missouri and Freeman, Missouri in support of K-12 school districts and public libraries; and
- b) MOREnet desires to install, remove, replace, maintain, and operate at its expense, a microwave system, including antennas to be mounted on a water tower;
- c) The City of Harrisonville owns and operates a water tower located on the northwest corner of E Elm Street and N King Ave in Harrisonville, MO (GPS coordinates 38.657108N, 94.341347W); and
- d) The City is willing to provide nonexclusive space on its water tower for antennas and mounts at locations to be selected by MOREnet so long as they do not interfere with antennas currently located on said tower and do not interfere with the openings to the tower, the ladders, braces, paint removal, or painting of the tower and is in full compliance with all state and/or federal laws or the rules and regulations of any agency or instrumentality thereof.

3) SERVICE REQUIREMENTS:

a) MOREnet RESPONSIBILITIES

- i. MOREnet will purchase, install and manage the microwave radio equipment that will be placed in and/or on the City's water tower.
- ii. MOREnet will have utility power supplied to the water tower and pay any costs directly to the local utility or a local licensed electrician to install and supply power to the radio system.
- iii. MOREnet will ensure that all equipment is installed according to manufacturer instructions and all applicable codes and ordinances. All externally mounted equipment will have a safety cable separately attached to the tower to prevent any equipment from falling off in the case of a mounting bracket failure.
- iv. MOREnet will attach all exterior equipment using existing "painter's ring", catwalk brackets or other existing mounting points on the water tank utilizing manufacturer-supplied clamps. In no event shall MOREnet pierce or drill into the exterior of the water tank, weld to the tank or attach with adhesive any equipment, brackets or other mounting hardware. MOREnet shall make no alterations to the water tower or related facilities which will compromise or impair the integrity of the structure.
- v. Interior equipment will be installed in a MOREnet-supplied NEMA-4 waterproof enclosure in a location and manner as mutually agreed to between MOREnet and the City.

- i. Provide space and power for the MOREnet outdoor equipment cabinet, NEMA-4 rated, to house all of MOREnet's equipment in a location and manner as mutually agreed to between MOREnet and the City.
- ii. Provide access and space for a microwave radio system and conduit/cable access from the radio location to the space described above.
- iii. Provide 24X7 access to the cabinet containing the equipment and all cabling and equipment located on the water tower for MOREnet staff when maintenance of the equipment is required. MOREnet will provide at least 2 hours' notice of the need to access the cabinet prior to their arrival. The City must provide a telephone number that is answered 24X7 that can respond to emergency calls to provide MOREnet staff with access. In addition, the City must provide two escalation numbers in case the no one answers or responds to MOREnet's request at the 24X7 number.
- iv. The City will notify MOREnet of any existing and proposed radio systems to be attached to the tower to aid in spectrum management and interference mitigation.
- v. Water tower maintenance is the responsibility of the City. The City shall not move, disconnect or adjust, in any way, MOREnet's equipment without the supervision of a MOREnet representative on site. MOREnet acknowledges and agrees that it shall be responsible for moving or protecting its equipment during any repairs or renovations (or replacement of) to the water tower and the City shall incur no liability to MOREnet for any injury, expense, or claim incurred by MOREnet during any such repair or renovation.

4) AGREEMENT TERM

- a) The term of this Agreement will be September 1, 2014 through August 31, 2015.
- b) This agreement will automatically renew each year if no action is taken to the contrary by either party.
- c) If the City terminates this agreement, this agreement will continue for 6 additional months to provide MOREnet time to move the equipment to another location.
- d) Contract Review: MOREnet and the City will review the status of this contract in the last quarter of the term and determine whether adjustments are needed. If either party desires to modify any terms of this contract, such modifications must be presented to the other party for review.

5) GOVERNING LAW

This Agreement shall be interpreted, construed and enforced according to the laws of the state of Missouri. The parties agree to not discriminate in the application of this Agreement on the basis of race, color, sex, national origin, ancestry, age, disability or veteran status.

6) LIMITATIONS OF DAMAGES

NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR ANY LOST PROFITS LOST BENEFITS OR OTHER CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES WHETHER IN CONTRACT OR IN TORT. DIRECT DAMAGES FROM EITHER PARTY ARE LIMITED TO AN AMOUNT EQUAL TO THE AMOUNT OF THE ANNUAL FACILITY CHARGE. BOTH PARTIES DISCLAIM ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ALL OF WHICH ARE EXPRESSLY DISCLAIMED.

Nothing in this Agreement shall be construed to limit or waive the sovereign, official or governmental immunities possessed by either party. MOREnet is advised that it is its responsibility to procure any insurance protecting its equipment and facilities provided

pursuant to this Agreement for any and all hazard, damage or loss, and that the City is not obligated to provide any such insurance with regard to MOREnet's personal property.

7) Binding Effect

This Agreement shall be binding and shall inure to the benefit of the parties hereto and their respective successors and assigns, except that, however, no assignment shall be permitted without the written consent of the other party, which consent shall not be reasonably withheld.

8) Entire Agreement

This Agreement contains the entire agreement of the parties in connection with the subject matter hereof, and supersedes any and all prior contemporaneous Agreements between the parties, whether written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement by their duly authorized representatives as of the date below their respective signatures.

**THE CURATORS OF THE
UNIVERSITY OF MISSOURI**

THE CITY OF HARRISONVILLE

_____		_____	
(Signature)	(Date)	(Signature)	(Date)
Name _____		Name _____	
_____		_____	
Title _____		Title _____	
_____		_____	



STAFF REPORT

TO: Public Works Committee
FROM: Eric Patterson, Asst. Director
DATE: August 22, 2014
SUBJECT: SOURCE WATER PROTECTION RCPP GRANT

Type of Item: *Report*

Background - MDNR provided the City a \$10,000 grant to outline a Source Water Protection Plan (SWPP) for Lake Harrisonville. The next phase of the SWPP is to implement the changes necessary to protect the water quality and sustain Lake Harrisonville as a long term water supply. The city is unable to legislate changes. Change can only be achieved through cooperation with the landowners. A successful program requires the city to partner with land owners in the watershed to develop best management practices for their land use and with organizations like Cass County Soil and Water Conservation (CCSWD) and Cass County Planning. Dennis Haag of Burns and McDonnell developed a very thorough assessment of the watershed. Many of the issues could be addressed through programs offered by CCSWD which make them an ideal first partnering contact. The city had a successful partnering arrangement with CCSWD when the SALT program was utilized in the late 80's. At the first meeting we were pleasantly surprised CCSWD had invited their MDNR representative and USDA's Natural Resources Conservation Service (NRCS) representative and member of the CCSWD Board.

The NCRS representative made us aware of a new grant program created out of the Farm Bill requiring many of the elements we were wanting to incorporate in our program. The grant program was the U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) new Regional Conservation Partnership Program (RCPP). The program has \$394 million nationwide available for fiscal 2014/2015. The primary objective is partnering in the restoration and sustainable use of soil, water, wildlife and related natural resources on regional or watershed scales. A pre-proposal was required to determine which organizations would be invited to submit a complete application. Each pre-proposal was ranked on its ability to:

- Address resource concerns and measuring outcomes;
- Deliver high percentages of applied conservation to address conservation priorities or local, state, regional, or national conservation initiatives;
- Leverage significant non-federal financial and technical resources;

- Coordinate with other local, state, regional, or national efforts;
- Be innovative in conservation methods and delivery; and
- Assist producers/landowners in meeting or avoiding the need for a natural resource regulatory requirement.

Six hundred pre-proposals ranged from \$6,000 to \$20M from all 50 states requesting over \$2B in funding were received. Only 230 were invited to submit a complete proposal. Harrisonville's pre-proposal was 1 of 9 in the State of Missouri accepted. An approved application would potentially generate \$478,000 in program funding from all partners. The city's share would be \$25,000 per year for 5 years and the remainder from the grant and partner contribution.

Landowners would benefit by having 100% of the cost approved for terracing, planting grass strips along the edges of their property and being educated in best management practices for sustainable farming. Identified partners would be NRCS/RCP, Cass County Soil and Water Conservation District, Missouri Department Conservation and Quail Forever and the city. Others would be encouraged to join as the success of the program grows.

Issue: City staff does not have the expertise to develop a successful proposal and will require engineering assistance. Staff is recommending amending source protection agreement with Burns and McDonnell to complete the application. The estimated cost is \$8,000. City staff will assist where possible to keep cost down. Staff has requested approval from MDNR Source Water Protection to utilize their grant award for this effort. Staff has not received a response. Application is due by October 3rd. This program would bring an estimated \$300,000 in additional value to assist in improving the Lake Harrisonville Watershed. A list of Missouri pre-applications approved are below.

Mississippi River Basin CCA	Lake Harrisonville (LH) Watershed Management Plan	City of Harrisonville	Missouri
Mississippi River Basin CCA	Our Missouri Waters Targeted Conservation	Missouri Department of Natural Resources	Missouri
Mississippi River Basin CCA	Southeast Missouri Mississippi Alluvial Floodplain Migratory Bird	The Missouri Department of Conservation	Missouri
Prairie Grasslands Region CCA	Little Otter Creek Watershed Project	Caldwell County Commission	Missouri
National	Demonstrating the contributions of improved soil health to agricultural productivity, profitability, and environmental sustainability.	National Corn Growers Association	Missouri
National	Implementing State Nutrient Reduction Strategies & Related Conservation Practices to	Missouri Department of	Missouri

	Improve Water Quality and Soil Health in Upper Mississippi River Basin	Agriculture	
National	Regional Grassland Bird and Grazing Land Enhancement Initiative	The Missouri Department of Conservation	Missouri
Missouri	NW Missouri Urban and Rural Farmers United for Conservation	Jackson County Soil and Water Conservation District	Missouri
Missouri	Restoring Glade and Woodland Communities for Threatened Species in the Ozarks of Southeast Missouri	Missouri Department of Conservation	Missouri

D. Action Item (ID # 1544)

SOURCE WATER PROTECTION RCPP GRANT

Attachments:

DFinal07.10.14Preproposal Application xx (DOCX)

Preproposal Application: Regional Conservation Partnership Program

Title of Project: Lake Harrisonville (LH) Watershed Management Plan

Project Director: Jerry Gibbs, Director of Public Works
Phone: 816.380.8964; jgibbs@ci.harrisonville.mo.us

Project Partners: Lead: City of Harrisonville, Missouri
Partners: Cass County Soil and Water Conservation District
Missouri Department of Natural Resources
Missouri Department of Conservation
Cass County
Quail Forever, West Central Missouri Chapter
Country Creek Golf Club

Mailing Address: City of Harrisonville
300 East Pearl Street, PO Box 367
Harrisonville, MO 64701
Phone: 816.380.8964; Mobile: 816.872.6699; Fax: 816.380.8906

Funding Pool: Mississippi River Basin Critical Conservation Area

General Project Summary: Lake Harrisonville, a 427 acre lake built in 1971, is the primary water supply for City of Harrisonville. It is also a local source for passive water based recreation. To maintain a consistent water supply with high quality water, the contributing 9,500 acre watershed needs to employ good land use management including application and maintenance of selected BMPs. The Project includes a comprehensive educational campaign, extra financial incentives to implement and maintain selected BMPs, and comprehensive water quality monitoring plan to determine and measure the success of BMPs and management strategies. The project provides an excellent opportunity to enact a holistic watershed approach to implement and manage recommended BMPs strategies. It is also applicable as a potential model for similar and larger watersheds located throughout the Mississippi River Basin.

Geographic Focus: Lake Harrisonville is located in rural Cass County, Missouri on Big Creek, a major tributary stream in the HUC 8 - 10290108 South Grand River Watershed and Harry S. Truman Reservoir. The majority of the watershed land use is agricultural, with some urban influences such as small home sites and golf course facilities. About 12 percent is forested with woodlots and wooded stream corridors, providing good wildlife habitat. The City owns about 740 acres of the land for the dam, spillways, lake body, and small strip of land around the shore representing approximately 7.5 percent of the watershed. Remaining land is owned and managed privately. A recent watershed assessment was performed to determine the primary potential sources of surface water contamination which included sediment and associated constituents such as nutrients, pesticides, and bacteria. The assessment also proposed alternative management strategies and BMPs for the lake and watershed.

Project Schedule: Start 10/01/2014; End 09/30/2019.

RCPP Funding Request: Implementation of a holistic watershed management approach involves all potential sources of contaminants that may be created by different types of land uses for agriculture, public facilities, subdivisions, golf courses, etc. There are many water quality protection programs that have funding and technical assistance for better land use management to protect surface water and groundwater resources. Therefore, we believe that the RCPP Funding Request has been successfully used to leverage several of the other sources of funding that otherwise may not have been available. Table 1

provides a detailed summary of the funding plan that includes both “Eligible RCPP” participants or Ag producers, and leveraged funds for “Non-Eligible RCPP” participants such as subdivisions, public lands, and golf courses that are located within LH watershed.

The NRCS RCPP request is only EQIP funding for financial assistance (FA) and none for technical assistance or in-kind services (TA). The RCPP funds will also only be distributed to eligible Ag producer participants. The City has also committed additional funding assistance (AFA) that increases the funding for selected conservation practices to 100 percent cost share for eligible RCPP Ag producer participants. It is anticipated that additional funding will also be available through a grant (application pending) from the Missouri Department of Natural to prepare a final watershed management and water quality monitoring plan. A final budget for the MDNR grant has not been determined, and therefore, the requested funds are not included in the Preproposal Application at this time. The following project funding is anticipated for Eligible RCPP Ag producer participants:

- Total Project Funding of \$478,000 including: FA - \$302,000; AFA - \$78,000; TA - \$98,000
- NRCS RCPP Request: FA - \$200,000; TA - \$0; Total - \$200,000
- Cass County Soil and Water Conservation District: FA - \$50,000; TA - \$75,000; Total - \$125,000
- Missouri Department Conservation and Quail Forever: FA - \$15,000; TA - \$13,000; Total - \$28,000
- City of Harrisonville: FA - \$37,000; AFA - \$78,000; TA - \$10,000; Total - \$125,000
- Please note that the required 50 percent match or \$200,000 for the NRCS RCPP \$200,000 fund request has been met with the combined FA and TA assistance portion contributed by each partner without the \$78,000 of AFA funding to be provided by the City.

The leveraged or Non-Eligible RCPP participant portion of the funding plan is also included in Table 1. It is anticipated that additional funding will also be available through the local golf course management organizations for additional BMPs. Cass County Planning has also been approached concerning providing planning assistance to create a LH watershed protection overlay district. Budgets for either of these potential sources of project FA and TA have not yet been determined, and therefore are not included in the Preproposal Application at this time. The following project partner funding is anticipated for Non-Eligible RCPP participants located within the watershed:

- Cass County Soil and Water Conservation District: FA - \$0; TA - \$5,000; Total - \$5,000
- Missouri Department Conservation and Quail Forever: FA - \$15,000; TA - \$13,000; Total - \$28,000
- City of Harrisonville: FA - \$115,000; TA - \$10,000; Total - \$125,000

Table 2 provides a preliminary yearly schedule for distribution of project funding. The following annual project funding is proposed for the Eligible RCPP participants within the LH Watershed:

- Year 1: FA - \$30,200; AFA - \$7,800; TA - \$21,000; Total - \$59,000
- Year 2: FA - \$75,000; AFA - \$18,000; TA - \$25,000; Total - \$118,000
- Year 3: FA - \$75,000; AFA - \$18,000; TA - \$20,000; Total - \$113,000
- Year 4: FA - \$75,000; AFA - \$18,000; TA - \$19,000; Total - \$112,000
- Year 5: FA - \$46,800; AFA - \$16,200; TA - \$13,000; Total - \$76,000

The following annual project funding is proposed for the Non-Eligible RCPP participants within LH Watershed:

- Year 1: FA - \$53,500; AFA - \$0; TA - \$8,000; Total - \$61,500
- Year 2: FA - \$53,500; AFA - \$0; TA - \$6,000; Total - \$59,500
- Year 3: FA - \$8,500; AFA - \$0; TA - \$6,000; Total - \$14,500
- Year 4: FA - \$8,000; AFA - \$0; TA - \$4,000; Total - \$12,000
- Year 5: FA - \$6,500; AFA - \$0; TA - \$4,000; Total - \$10,500

Table 1. Lake Harrisonville Watershed Management Plan Funding					
Type of Assistance	NRCS	SWCD	MDC/QF	City	Total
Eligible RCPP¹					
Financial RCPP Only	\$200,000	\$ 50,000	\$15,000	\$ 37,000	\$302,000
Additional Financial ²	0	0	0	\$ 78,000	\$ 78,000
Technical (In Kind)	0	\$ 75,000	\$13,000	\$ 10,000	\$ 98,000
Subtotal	\$200,000	\$125,000	\$28,000	\$125,000	\$478,000
Non-Eligible RCPP³					
Financial	0	0	\$15,000	\$115,000	\$130,000
Technical (In Kind)	0	\$ 5,000 ⁴	\$13,000	\$ 10,000	\$ 28,000
Subtotal	0	\$ 5,000	\$28,000	\$125,000	\$158,000
Grand Total	\$200,000	\$130,000	\$56,000	\$250,000	\$636,000

¹ Only EQIP funding requested.

² Additional funding assistance by City to increase selected conservation practice cost share from 75 percent to 100 percent.

³ Assistance for non-producers including sub-divisions, golf course, and public lands located within the LH watershed.

⁴ TA is primarily for additional education “out-reach” by SWCD.

Table 2. Funding Schedule (\$1,000)													
Year	NRCS		SWCD		MDC/QF		City			Total			
	FA¹	TA	FA	TA	FA	TA	FA	AFA	TA	FA	AFA	TA	Total
Eligible RCPP													
1	20.0	0	5.0	15.0	1.5	2.0	3.7	7.8	4.0	30.2	7.8	21.0	59.0
2	50.0	0	12.5	20.0	3.5	3.0	9.0	18.0	2.0	75.0	18.0	25.0	118.0
3	50.0	0	12.5	15.0	3.5	3.0	9.0	18.0	2.0	75.0	18.0	20.0	113.0
4	50.0	0	12.5	15.0	3.5	3.0	9.0	18.0	2.0	75.0	18.0	19.0	112.0
5	30.0	0	7.5	10.0	3.0	2.0	6.3	16.2	1.0	46.8	16.2	13.0	76.0
Subtotal	200.0	0	50.0	75.0	15.0	13.0	37.0	78.0	10.0	302.0	78.0	98.0	478.0
Non-Eligible RCPP													
1	0	0	0	1.0	3.5	3.0	50.0	0	4.0	53.5	0	8.0	61.5
2	0	0	0	1.0	3.5	3.0	50.0	0	2.0	53.5	0	6.0	59.5
3	0	0	0	1.0	3.5	3.0	5.0	0	2.0	8.5	0	6.0	14.5
4	0	0	0	1.0	3.0	2.0	5.0	0	1.0	8.0	0	4.0	12.0
5	0	0	0	1.0	1.5	2.0	5.0	0	1.0	6.5	0	4.0	10.5
Subtotal	0	0	0	5.0	15.0	13.0	115.0	0	10.0	130.0	0	28.0	158.0
Total Eligible and Non-Eligible Funding													
5 Years	200.0	0	50.0	80.0	30.0	26.0	152.0	78.0	20.0	432.0	78.0	126.0	636.0

¹ FA – Financial Assistance; TA – Technical Assistance; AFA – Additional Financial Assistance for 100 percent cost share on selected conservation practices performed with Eligible RCPP funds.

PROJECT SUMMARY

a. Project Objectives and Natural Resource Concerns

Although the LH watershed is small (about 9,500 acres), project objectives and natural resource concerns mirror most of the objectives and priorities for much larger watersheds including the Mississippi River Basin. The primary resource concern priorities are:

- Water Quality - reduce and maintain nutrients, pesticides, sediment, and bacteria loads to below impairment limits
- Fish and Wildlife Habitat - increase permanent herbaceous and woody vegetation, especially along stream corridors

The Project proposes to use a holistic watershed management approach and targeted goals that will combine FA and TA of RCPP with those of other agency and private partners to encourage more eligible producers to sign-up for conservation practices. The primary goal is to increase cost share to 100 per cent for selected conservation practices that are determined to provide the best potential for long-term improvement of water quality and fish and wildlife habitat. The secondary goal is to use non-RCPP funds and technical assistance that have been committed by partners for installation of selected conservation practices on non-eligible landowners such as subdivisions, home sites, public land, and golf courses. Project objectives are provided for both RCPP FA/TA and Non-RCPP FA/TA goals.

RCPP FA/TA Objectives

- Partner with Natural Resources Conservation Service, Cass County Soil and Water Conservation District, Missouri Department of Conservation (MDC), and Quail Forever to provide additional cost share and technical assistance to implement BMPs on eligible agricultural lands
- Partner with Cass County Planning to pursue development of a watershed protection overlay district
- Partner with Missouri Department of Natural Resources to develop LH Watershed Management Plan that includes detailed programs for educational outreach program and water quality monitoring

Non-RCPP FA/TA Objectives

- Address Terrill crossing problems
- Implement lake shore/bank stabilization practices
- Implement spillway and water intake improvements
- Update property boundary map and legal description(s)
- Repair/replace lake boundary fencing and signage
- Partner with MDC and Quail Forever to improve wildlife habitat on public lands
- Partner with Country Creek Golf Club management to assist with implementation of the GCSAA water quality management goals

b. General Description of Plans for Monitoring, Modeling, Evaluation of Outcomes and Reporting

The City obtained a 2013 Source Water Protection Development and Implementation Grant to perform a Phase 1 Watershed Assessment (WA) of LH. The WA determined the primary potential sources of surface water contamination which included sediment and associated constituents such as nutrients, pesticides, and bacteria. The assessment also proposed alternative management strategies and BMPs for the lake and watershed on both private and public lands. A 2014 Source Water Protection Development and Implementation Grant application requests funding for development and implementation of a Phase 2 Lake Harrisonville Watershed Management Plan. The Plan has the following major components:

- comprehensive educational out-reach program
- plans to reestablish lake property boundaries, signage, and livestock exclusion fencing
- financial incentives to implement and maintain selected BMPs on private property
- comprehensive monitoring plan to determine and measure the success of management strategies

Especially since the project is a relatively small watershed and important as a public water-supply lake, it presents an excellent opportunity to enact and measure holistic watershed management principles that implement selected BMPs strategies. Reporting of the results of monitoring including measurements of effects of conservation practices and annual outcomes of implementing the project will provide a model of how to manage similar size as well as larger watershed projects. The following plan elements will be provided:

- Partnership agreements including technical and financial assistance commitments for each project goal and objective
- Out-reach program including:
 - ✓ Watershed brochure and description of available BMPs and conservation practices
 - ✓ Public meetings with producers and concerned citizens to explain the management plan and opportunities for FA and TA
 - ✓ City and County watershed plan web page
 - ✓ Annual field tours
- Sampling and analysis plan (SAP) including; Quality Assurance/Quality Control; field measurement procedures and sampling protocols; testing parameters and methods; water and sediment sampling points at the 3 lake-arms, stream bank erosion pin measurement stations on each lake-arm; photo measurement points for sheet and rill erosion; other
- The plan for monitoring, evaluating, and reporting on progress made towards achieving the conservation practice objectives of the agreement will be tracked by NRCS, using Toolkit/Arc Map, Protracts and PRS software. This will be conducted on a daily basis as decisions on conservation planning and implementation of practices is made with participants. MOSWIM reports will be generated by district when state cost share is utilized to monitor tons of soil saved and quantities treated in conservation practices.
- Implement out-reach, and sampling and testing program including:
 - ✓ Educational materials including brochures, annual watershed tour, and public meetings
 - ✓ Establish monitoring stations and obtain base line samples/tests at 3 lake-arms
 - ✓ Meet with landowners during conservation practice sign up and agreements
 - ✓ Lake property boundary survey and installation of fencing and signage in higher risk areas
 - ✓ Prepare annual monitoring report with results of sampling and testing and summary of watershed management out-comes for each goal and objective.

c. Project Activities

The following RCPP and Non-RCPP FA and TA activities are proposed to be implemented in accordance with the LH Watershed Management Plan, available grant funding, and willing cooperation of producers and partners during the five (5) year program:

- RCPP Initiatives
 - ✓ Conservation Practices to be implemented: Access Control (Ac.) (472), Brush Management (Ac.) (314), Conservation Cover (Ac.) (327), Conservation Crop Rotation (Ac.) (328), Cover Crop (Ac.) (340), Critical Area Planting (Ac.) (342), Diversion (Ft.) (362), Fence (Ft.) (382), Field Border (Ac.) (386), Filter Strip (Ac.) (393), Forage and Biomass Planting (Ac.) (512), Grade Stabilization Structure (No.) (410), Grassed Waterway (Ac.) (412), Heavy Use Area Protection (Ac.) (561), Herbaceous Weed Control (Ac.) (315), Integrated Pest Management (Ac.) (595), Livestock Pipeline (Ft.) (516), Mulching (Ac.) (484), Nutrient Management (Ac.) (590), Pond (No.) (378), Prescribed Grazing (Ac.) (528), Pumping Plant (No.) (533), Residue & Tillage Management, No-Till/Strip Till/Direct Seed (Ac.) (329), Stream Crossing (Sq. Ft.)

(578), Terrace (Ft.) (600), Tree/Shrub Establishment (Ac.) (612), Tree/Shrub Site Preparation (Ac.) (490), Underground Outlet (Ft.) (620), Upland Wildlife Habitat Management (Ac.) (645), Water and Sediment Control Basin (No.) (638), Water Well (No.) (642), Water Well Decommissioning (No.) (351), and Watering Facility (No.) (614).

- ✓ Establishment of potential watershed protection overlay district with County
- ✓ Educational Outreach
 - Watershed Management Brochure and Website
 - Public Meetings
 - Annual Tour
 - Meetings with Individual Producers during CP sign up and execution of agreements/easements
- ✓ Project Monitoring
 - SAP baseline sampling and testing
 - Quarterly sampling and testing
 - Annual reporting and website information
- Non-RCPP Initiatives
 - ✓ Maintenance of dam, spillway(s), and water intake structures
 - ✓ Lake shore line stabilization
 - ✓ Wildlife habitat and woodland establishment on public lands
 - ✓ Lake boundary surveys/fencing/signage/livestock exclusion/alternate livestock watering
 - ✓ Terrill crossing modifications
 - ✓ Various golf course water quality BMPs
 - ✓ Implementation of land use planning information for sub-divisions and single family sites

d. Producer Assistance

Although, with a few exceptions such as construction related land disturbance activities, control of water borne pollutants from non-point sources relies primarily on voluntary cooperation by land owners. Since the majority of the LH watershed is privately owned and managed by agricultural producers, the project provides additional incentives and educational outreach to assist producers in meeting the need for better land use management on private property that will extend the life of the downstream public water supply.

e. Requested Adjustments

Most of the current program cost share assistance is limited to 75 percent. The primary goal of the RCPP grant is to provide producers 100 percent cost share assistance for selected conservation practices and BMPs. Non-RCPP AFA provided by the City will be used to provide the additional 25 percent cost share.

f. Alternative Funding Arrangements

In addition to contribution of FA and TA for selected conservation practices and BMPs for the RCPP portion of the LH Watershed Management Plan that addresses only eligible agricultural producer property, the City and several partners will also contribute Non-RCPP FA and TA for BMPs on non-eligible property that include public lands, golf courses, and residential property located within a subdivision.

Revised July 10, 2014



STAFF REPORT

TO: Public Works Committee
FROM: Eric Patterson, Asst. Director
DATE: August 22, 2014
SUBJECT: SEPTAGE DUMPING PROHIBITED

Type of Item: *Policy*

BACKGROUND - Septic haulers have been allowed to dump at the Waste Water Treatment Plant (WWTP) for no cost. They are only supposed to be dumping from City residents or business', there is no way to ensure where the septic hauler picked up his load. This practice has been in place for more than three decades. In the past the speculation was that septic haulers were illegally dumping in a manhole. The WWTP is part of the CWSS Enterprise Fund. Fees are collected to support the work. If no fees are being collected, the cost and impacts of these septic haulers are being paid by other sewer rate payers.

The current concern is with a biological treatment plant, a septage hauler could introduce a load that would be detrimental to the operations and place the city in violation of their discharge requirements. MDNR/EPA would hold the city accountable. This became a concern when a hauler mentioned he had pumped out the Town & Country MRF. The MRF collects recyclables from at least three other counties including the Metro area.

ISSUE - The city does not have any codes or ordinances to manage the dumping of septage. A COD test requires at least 2 hours to determine the concentration. Haulers have had other options besides our WWTP, such as going to the Little Blue treatment plant at a cost per gallon or amount of COD. An ordinance has been drafted to amend Section 700.690 to prohibit dumping of septage.

Council Bill No.

Ordinance No.

SEPTAGE DUMPING PROHIBITED

BILL NO. _____
 VOTED FOR: _____
 VOTED AGAINST: _____

ORDINANCE NO. _____
 FIRST READING: _____
 SECOND READING: _____

AN ORDINANCE TO AMEND THE REGULATION OF DISCHARGE OF CERTAIN HAZARDOUS MATERIALS

WHEREAS, the Board of Aldermen of the City of Harrisonville, Missouri desire to amend Chapter 700.690 regarding the regulation of discharge of certain hazardous materials.; and

WHEREAS, the discharge and dumping of hazardous materials has been governed by Chapter 700.690; and

WHEREAS, the City desires to prohibit the discharge and dumping of hazardous materials by commercial septic haulers at the Harrisonville Waste Water Treatment Plant ("WWTP"); and

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF HARRISONVILLE, MISSOURI, AS FOLLOWS:

SECTION ONE: That Section 700.690 shall read as follows:

SECTION 700.690: DISCHARGE

- A. No person shall discharge any storm water, surface water, ground water, roof runoff, subsurface drainage, including interior and exterior foundation drains, other sources of surface runoff or ground water, uncontaminated cooling water or unpolluted industrial process waters to any sanitary sewer.
- B. Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers or to a natural outlet approved by the Superintendent. Industrial cooling water or unpolluted process waters may be discharged on approval of the Superintendent to a storm sewer, combined sewer or natural outlet.
- C. No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:
 - 1. Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid or gas.
 - 2. Any waters or wastes containing toxic or poisonous solids, liquids or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard in the receiving waters of the sewage treatment plant including, but not limited to, cyanides in excess of two (2) mg/l as CN in the wastes as discharged to the

public sewer.

3. Any waters or wastes having pH lower than six (6.0) or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works.
 4. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.
- D. No person shall discharge or cause to be discharged the following described substances, materials, waters or wastes if it appears likely in the opinion of the Superintendent that such wastes can harm either the sewers, sewage treatment process or equipment, have an adverse effect on the receiving stream or can otherwise endanger life, limb, public property or constitute a nuisance. In forming an opinion as to the acceptability of these wastes, the Superintendent will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant and other pertinent factors. The substances prohibited are:
1. Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit (150°F) (65°C).
 2. Any water or wastes containing fats, wax, grease or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two degree Fahrenheit (32°F) and one hundred fifty degrees Fahrenheit (150°F) (0 and 65°C).
 3. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-four (0.76 hP metric) or greater shall be subject to the review and approval of the Superintendent.
 4. Any waters or wastes containing strong acid, iron, pickling wastes or concentrated plating solutions, whether neutralized or not.
 5. Any waters or wastes containing iron, chromium, copper, zinc and similar objectionable or toxic substances or wastes exerting an excessive chlorine requirement to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the Superintendent for such materials.

6. Any waters or wastes containing phenols or other taste- or odor-producing substances in such concentrations exceeding limits which may be established by the Superintendent as necessary, after treatment of the composite sewage, to meet the requirements of State, Federal or other public agencies of jurisdiction for such discharge to the receiving waters.
7. Any radioactive wastes or isotopes of such half-life or concentration may exceed limits established by the Superintendent in compliance with applicable State or Federal regulations.
8. Any waters or wastes having a pH in excess of nine (9.0).
9. Materials which exert or cause:
 - a. Unusual concentrations of inert suspended solids (such as, but not limited to, Fuller's earth, lime slurries and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride or sodium sulfate).
 - b. Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).
 - c. Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works.
 - d. Unusual volumes of flow or concentration of wastes constituting "slugs" as defined herein.
10. Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of the other agencies having jurisdiction over discharge to the receiving waters.
11. Any waters or wastes having:
 - a. A five (5) day BOD greater than three hundred (300) milligrams per liter by analysis and/or a COD concentration greater than six hundred (600) milligrams per liter by analysis, or
 - b. Containing more than three hundred fifty (350) parts per million by weight of suspended solids, or
 - c. Having an average daily flow greater than two percent (2%) of the average sewage flow of the City.

d. Shall be subject to the review of the Superintendent. Where necessary in the opinion of the Superintendent, the owner shall provide, at his/her expense, such preliminary treatment as may be necessary to:

- (1) Reduce the biochemical oxygen demand to three hundred (300) parts per million by analysis and/or a COD concentration greater than six hundred (600) milligrams per liter by analysis, or
- (2) Reduce the suspended solids to three hundred fifty (350) parts per million by weight, or
- (3) Control the quantities and rates of discharge of such waters or wastes. Plans, specifications and any other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the Superintendent and no construction of such facilities shall be commenced until said approvals are obtained in writing.

E. The discharge and/or dumping of trucked or hauled pollutants, septage, or the materials described in this Article by commercial or municipal haulers shall not occur without the written permission of the Director of Public Works.

F. If any waters or wastes are discharged or are proposed to be discharged to the public sewers, which waters containing the substances or possess the characteristics enumerated in Subsection (C)(4) of this Section and which, in the judgment of the Superintendent, may have a deleterious effect upon the sewage works, processes, equipment or receiving waters or which otherwise create a hazard to life or constitute a public nuisance, the Superintendent may:

1. Reject the wastes,
2. Require pretreatment to an acceptable condition for discharge to the public sewers,
3. Require control over the quantities and rates of discharge, and/or
4. Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charge under the provisions of Subsection (J).

If the Superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the Superintendent and subject to the requirements of all applicable codes, ordinances and laws.

~~G.~~ Grease, oil and sand interceptor shall be provided when, in the opinion of the Superintendent, they are necessary for the proper handling of liquid wastes, sand or

other harmful ingredients, except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Superintendent and shall be located as to be readily and easily accessible for cleaning and inspection. Proof of cleaning of grease traps shall be submitted in writing to the Superintendent. Grease traps with a capacity of one hundred (100) gallons or less shall be cleaned monthly. Grease traps with a capacity of more than one hundred (100) gallons shall be cleaned every two (2) months.

HG. Where preliminary treatment of flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his/her expense.

IH. When required by the **Superintendent**, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located and shall be constructed in accordance with plans approved by the Superintendent. The manhole shall be installed by the owner at his/her expense and shall be maintained by him/her so as to be safe and accessible at all times.

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IJ. All measurements, tests and analyses of the characteristics of waters and wastes to which reference is made in this Article shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association and shall be determined at the control manhole provided or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb and property. (The particular analysis involved will determine whether a twenty-four (24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four (24) hour composites of all outfalls whereas pH analyses are determined from periodic grab samples.)

KJ. No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the City and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the City for treatment, subject to payment therefore, by the industrial concern.

L. No statement contained in this Article shall be construed as preventing any special written agreement or arrangement between the City and any commercial or municipal hauler of the materials described in this Article whereby the City agrees to accept such materials for treatment.

SECTION TWO: The portions of this Ordinance shall be severable. In the event that

any portion of this Ordinance is found by a court of competent jurisdiction to be invalid, the remaining portions of this Ordinance are valid, unless the court finds the valid portions of this Ordinance are so essential and inseparably connected with and dependent upon the void portion that it cannot be presumed that the Governing Body would have enacted the valid portions without the invalid ones, or unless the court finds that the valid portions standing alone are incomplete and are incapable of being executed in accordance with the legislative intent.

SECTION THREE: This Ordinance shall be in full force and effect both from and after its passage and approval by the Mayor.

Ayes:
Nays:
Absent:
Abstain:

Read two times by title only on the ____ day of August, 2014, and passed by the Board of Aldermen this ____ day of August, 2042.

Kevin W. Wood, Mayor and Ex-Officio
Chairman of the Board of Aldermen

ATTEST:

Kim Hubbard, City Clerk

APPROVED by the Mayor this ____ day of August, 2014.



STAFF REPORT

TO: Public Works Committee
FROM: Eric Patterson, Asst. Director
DATE: August 22, 2014
SUBJECT: PECULIAR SLUDGE AGREEMENT

Type of Item: *Agreement*

BACKGROUND - The City of Peculiar takes three loads of partially digested sludge to the Little Blue Valley Sewer District Facility in Independence M-F. The sludge disposal fees and transportation is approaching \$70,000 per year. The City of Harrisonville was approached to see if there was interest in accepting Peculiar's sludge. Peculiar's sludge is pumped from an open digester and contains less than 1% solids in about 9,000 gallons per day. The city of Harrisonville treats about 800,000 gpd.

ISSUE - Should the city consider entering into an agreement with the city of Peculiar to treat their sludge? Chief Wastewater Plant Operator Steve Woodring is familiar with the operations of Peculiar's WWTP and knows the chief operator. Little Blue has been willing to share their data to compare to the information provided by Peculiar. Steve has determined we do have space available in the WWTP capacity. The city would need to purchase equipment to measure the pounds of COD. The cost is less than \$10,000.

Based on 80,000 lbs of COD annually and an initial rate of \$0.25/lbs of COD will generate \$20,000. The second year the rate will go to \$0.29/lbs of COD or \$23,200. The Chief Operator retains the right to reject the load if he/she identifies any uncertainty. This can be a win-win for both communities.

Council Bill No.

Resolution No.

PECULIAR SLUDGE AGREEMENT



SLUDGE DISPOSAL AGREEMENT

THIS SLUDGE DISPOSAL AGREEMENT, is made as of August __, 2014, by Harrisonville, Missouri, a municipal corporation of the State of Missouri, hereinafter “**Harrisonville**” and Peculiar, Missouri, a municipal corporation of the State of Missouri, hereinafter “**Peculiar**”.

WHEREAS, Peculiar generates sludge as defined in Section 700.690(c) and (d) of the Harrisonville Code of Ordinances;

WHEREAS, Peculiar is presently without a proper facility to dispose of its sludge;

WHEREAS, Harrisonville has a Waste Water Treatment Plant (“WWTP”) capable of properly disposing of sludge;

WHEREAS, Harrisonville has agreed to allow Peculiar to dispose of its sludge at Harrisonville’s WWTP;

WHEREAS, Peculiar has agreed to deliver the sludge to the WWTP in accordance with the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

Obligations of Peculiar: Peculiar agrees:

- A. To be responsible for the safe delivery and transportation of any sludge generated by Peculiar to Harrisonville’s WWTP.
- B. To supply all labor, equipment, materials, fuels, repairs, equipment operators, and supervisory personnel required to deliver the sludge to the WWTP.

- C. To deposit the sludge as directed by WWTP personnel on site.
- D. To comply with all applicable statutes, permits, and licensing requirements for the transfer and delivery of the sludge to the WWTP.
- E. To make its deliveries Monday through Friday during the hours of 8:00 AM to 3:00 PM. There will be additional charges for any attempted after hours deliveries.
- F. That its daily delivery of sludge shall not exceed 11,100 gallons and there shall be no more than 3 deliveries per day.
- G. To pay Harrisonville \$0.25 per pound of COD being delivered beginning on October 1, 2014. Beginning October 1, 2015, Peculiar shall pay Harrisonville \$0.29 per pound of COD.
- H. That after October 1, 2015, Harrisonville may adjust the fees Peculiar is charged for services under this Agreement.
- I. That Harrisonville may prohibit deliveries for scheduled or unscheduled maintenance when determined necessary by the Chief Wastewater Operator.
- J. That the Chief Wastewater Operator, in his/her sole discretion, may reject any load that he/she determines does not comply with the intent of this Agreement.
- K. That all of the sludge delivered by Peculiar per the terms of the Agreement shall be from the City of Peculiar. Peculiar will not acquire or accept sludge from outside sources to dispose at the Harrisonville WWTP.
- L. That all sludge delivered per the terms of this Agreement to the Harrisonville WWTP shall comply with the Harrisonville's Code of Ordinances, as it currently exists or may be adopted in the future.
- M. To provide a completed Sludge Delivery Form, contemporaneous to any attempted delivery.
- N. That Harrisonville may reject any attempted delivery of Peculiar sludge in the event the Chief Wastewater Operator, or his/her designee determines, in their sole discretion, that the WWTP does not have the capacity to accept deliveries from Peculiar.

Obligations of Harrisonville: Harrisonville agrees:

- A. To review the fees it charges Peculiar per the terms of this Agreement on an annual basis as part of its budget process. Any adjustment in the amount Peculiar is charged shall be determined and implemented no later than October 1st of each year.
- B. To designate a Chief Wastewater Operator. The Chief Wastewater Operator, or his/her designee, will ensure that the terms of this Agreement are complied with.
- C. To notify Peculiar of any change in the fees it will charge under the terms of this Agreement within ten (10) days of any such determination.
- D. That it will conduct testing to determine the Chemical Oxidation Demand (“COD”) of each load of sludge Peculiar attempts to deliver.
- E. To accept for delivery all Peculiar sludge that complies with the Harrisonville Code of Ordinances, as it currently exists or may be adopted in the future, as long as the Chief Wastewater Operator determines the WWTP has capacity for the sludge.
- F. To draft a Sludge Delivery Form that shall be completed by Peculiar for each attempted delivery to the WWTP.
- G. To notify Peculiar of all scheduled maintenance when the WWTP will not be able to accept sludge deliveries from Peculiar.
- H. To notify Peculiar, at the earliest opportunity, of any unplanned or unscheduled repairs or maintenance which will prohibit the WWTP from receiving sludge deliveries.
- I. To notify Peculiar, at the earliest available opportunity, when the Chief Wastewater Operator has determined the WWTP lacks capacity and will be unable to accept sludge deliveries.
- J. To sign off on and approve the Sludge Delivery Form for all accepted deliveries of sludge from Peculiar.

Term. Except as noted otherwise in this Agreement, the term of this Agreement is three (3) years (36 months), commencing on the ___ day of August, 2014, and terminating _____, 2017. Harrisonville and Peculiar may renew this Agreement on an annual basis, after the initial 3 year term, with the written consent of the Harrisonville City Administrator or designee. The renewal period will be in increments of one (1) year (12 month) for up to an additional seven (7) years. Peculiar shall give Harrisonville written notice of its intention to renew this Agreement

not later than ninety (90) days prior to the expiration of the first three year (36 month) term or any subsequent one (1) year term.

Termination. Either Party may cancel and terminate this Agreement with or without cause by notifying the other Party by twenty (20) days advanced written notice.

Assignment. The Parties shall not assign this Agreement or any part thereof in any manner whatsoever or assign any of the privileges recited herein without the prior written consent of the non-assigning party. In the event of an assignment without the written consent of the non-assigning party, the assigning party shall remain liable for the remainder of the term of the Agreement.

Indemnification. Peculiar agrees to protect, defend, indemnify, and hold Harrisonville, its employees, agents, and elected and appointed officials completely harmless from and against any and all liabilities, losses, suits, claims, judgments, fines, or demands arising by reason of injury or death of any person or damage to any property, including all reasonable costs for investigation and defense thereof (including but not limited to reasonable attorney fees, court costs, and expert fees), of any nature whatsoever arising out of or incident to Peculiar's duties under this Agreement including but not limited to the transfer of the sludge to the WWTP, or the acts or omissions of Peculiar's agents, employees, contractors, subcontractors, and elected and appointed officials regardless of where the injury, death, or damage may occur, unless such injury, death or damage is caused solely by the negligence or willful misconduct of Harrisonville, or its employees and elected and appointed officials. This duty shall also extend to claims of damages to the environment caused by Peculiar, including but not limited to the investigation, field study, and cleanup costs assessed by any federal, state or local agency against Harrisonville or any of its agents or officials, as well as any civil fine or penalty. Harrisonville shall give Peculiar reasonable notice of any such claims or actions. The provisions of this Section shall survive the expiration or early termination of this Agreement. The duties of Peculiar specified herein shall not be limited by the amount of any insurance coverage required to be provided by Peculiar herein, but shall extend to the full amount of any such claim or liability. This duty shall also not be limited by the provision of any workers' compensation coverage.

Insurance. Peculiar shall, at its expense, procure and keep in force at all times during the term of this Agreement from a financially sound and reputable company acceptable to Harrisonville, public liability insurance, with independent contractor's coverage and contractual liability endorsement, including but not limited to automobile liability coverage insuring Peculiar and Harrisonville for personal injury and property damage, and such other insurance necessary to protect Harrisonville from all such claims and actions described in this Agreement. Without limiting its liability, Peculiar agrees to carry and keep in force insurance with single limit liability for personal injury or death and property damage in a sum

not less than \$1,000,000.00 per person and \$2,000,000.00 per occurrence. Peculiar shall furnish Harrisonville with a certificate of insurance as evidence of coverage. Said insurance policies shall not be canceled or materially modified or non-renewed except upon thirty (30) days advance written notice to Harrisonville. Coverage is to be written on the broadest liability form which is customarily available at reasonable cost.

In the event the scope of the parties' tort liability as governmental entities described in Section 537.600 through 537.650, RSMo., inclusive, is broadened or increased during the term of this Agreement by subsequent legislative or court action, Harrisonville, upon written notice to Peculiar, may require Peculiar to provide additional coverage sufficient to protect Harrisonville's interests to the extent of any such change. If Harrisonville's current limitations upon tort liability are abolished entirely, Harrisonville may require Peculiar to provide such coverage to protect Harrisonville's interests as may be reasonable and prudent for the risks associated with the activities allowed under this Agreement.

Entirety of Agreement. This written Agreement contains the sole and entire Agreement between the parties. No waiver or modification of this Agreement or of any covenant, condition or limitation contained herein shall be valid unless it is reduced to written form and duly executed by the parties. No evidence of any waiver or modification of the terms herein shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising, in any manner, out of this Agreement, unless such waiver or modification is in writing and duly executed by the parties. For Harrisonville, any such modification must be approved, in advance, by lawful vote of the Board of Aldermen.

Applicable Law and Venue. It is the parties expressed intent that this Agreement and its performance, as well as, all suits and special proceedings relating to it, be construed in accordance with and pursuant to the laws of the State of Missouri. The laws of the State of Missouri shall be applicable and shall govern to the exclusion of the law of any other forum. All actions related to the validity, construction, interpretation and enforcement of this Agreement shall be instituted and litigated in the courts of the State of Missouri, located in Cass County, without regard to the jurisdiction in which any legal action or special proceeding may be instituted, commenced or initiated. In accordance herewith, the parties to this Agreement submit to the jurisdiction of the courts of the State of Missouri, located in Cass County, Missouri.

Severability. If any term, provision, covenant or condition of this Agreement, or any application thereof, should be held by a court of competent jurisdiction to be invalid, void or unenforceable, all provisions, covenants and conditions of this Agreement, and all applications thereof, not held invalid, void or unenforceable, shall continue in full force and effect and shall in no way be affected, impaired or invalidated thereby. Paragraph headings are used herein for convenience only and shall not be used to interpret this Agreement or any provision hereof.

Notices. Whenever any notice is required by this Agreement to be made, given or transmitted to Harrisonville, it shall be enclosed in an envelope with sufficient postage attached to insure delivery and deposited in the United States Mail, first class, addressed to:

Mr. Kevin Wood, Mayor
300 E Pearl Avenue
Harrisonville, MO 64701

and notices to Peculiar, Missouri to:

or such place as either party shall designate by written notice to the other. Said notices may also be personally hand delivered by each party to the other, at the respective addresses listed above. If hand delivered, the date of actual completion of delivery shall be considered the date of receipt. If mailed the item shall be considered received the third day after the date of posting.

Authority. Each party warrants and represents that it has complied with RSMo 432.070 and has full authority to enter into this Agreement and all necessary approvals, including a vote by the respective governing bodies, have been obtained and that the person executing this Agreement on its behalf is authorized to do so.

Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be considered an original, but all of which counterparts shall be deemed to be one and the same document. The parties may execute this Agreement by signatures obtained through facsimile and those signatures may be relied upon by the other party as valid as if they were signed in the presence of the other party.

Paragraph Headings. The paragraph headings contained herein are for convenience in reference and are not intended to define or limit the scope of any provision of the Agreement.

Entire Agreement. This Agreement, and any exhibits and attachments thereto, contains the entire agreement between the parties concerning the subject matter hereof, supersedes any prior or contemporaneous agreements, negotiations or understandings (written or oral) between the parties regarding the subject matter hereof.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the Effective Date.

SO AGREED:

CITY OF HARRISONVILLE, MISSOURI

By: _____
[name]

Date: _____

Subscribed and sworn to before me, a Notary Public, this ___ of August, 2014.

My commission expires:

PECULIAR, MISSOURI

By: _____
[Name]

Date: _____

Subscribed and sworn to before me, a Notary Public, this ___ of August, 2014.

My commission expires:

Attachment: Peculiar Sludge Agreement 8-19-14 a [Revision 1] (1541 : PECULIAR SLUDGE AGREEMENT)



STAFF REPORT

TO: Public Works Committee
FROM: Eric Patterson, Asst. Director
DATE: August 27, 2014
SUBJECT: Public Works Update September 2014

Type of Item: Report**WATER SYSTEMS**

- ☐ **KC Water Transmission Main:**
 - ☐ Discussions are moving forward. Kansas City Water has stated an agreement has been reached in principal. Sent Kansas City and Lees Summit an "Agreement to Assign" effective 10-1-14. No response by Kansas City to date
- ☐ **Water Treatment Plant Upgrades**
 - ☐ Water Treatment upgrades question will be on the ballot in November. Notice to Proceed pending signing of agreement. Developing a plan if the election is not successful. Reviewing draft of technical memo for the spillway at Lake Harrisonville

SANITARY SEWERS

- ☐ **Ann Street Sanitary Sewer: COMPLETE**
- ☐ **CCTV - GPS of Manholes** is almost complete & re-televising complete - Provided Redzone with Notice to Proceed with the YES Program. Entering year 2 of 3
- ☐ **WWTP sludge removal** - Coordinating with Denali to begin

STORMWATER

- ☐ **Morningview Storm Drainage Improvement Project:** Four easements acquisitions are required before the project can be bid.
- ☐ **Chateau** - Survey Complete waiting on design

GENERAL/TRANSPORTATION

- ☐ **Power and Water Building** - Discussing tonight
- ☐ **Mechanic Street-**
 - ☐ Bid date moved to fall 2015 due to over 50 temporary easements required for construction.
 - ☐ Reviewing utility design & construction staging.
- ☐ **291 Partners in Progress-**
 - ☐ Ground breaking ceremony September 15th 10:30 @ Milner-O'Quinn Ford
 - ☐ Start date week following Labor Day
- ☐ **North Independence Bridge** -

- ☐ Project is 99.5% complete waiting final cleanup and seeding
- ☐ **2014 Sidewalk Program:**
 - ☐ started
- ☐ **Fats Oil and Grease Program (FOG)**
 - ☐ Robert Edward and Steve Woodring are developing a FOG program to start identifying accountability for the growing grease buildup in the collection system and the WWTP.

A. Discussion Item (ID # 1547)

Public Works Update September 2014



STAFF REPORT

TO: Public Works Committee
FROM: Jerry Gibbs, Director
DATE: August 27, 2014
SUBJECT: AIRPORT REPORT by James Green

Type of Item: *Report***Hangar and Tie Down Space:**

- All Hangars are Full, 15 people on the waiting list
- 4 Outside tie down spots available

Fuel:

- Potential jet fuel sales - approx. 200 gallons
- 100LL - our current price is \$5.46 per gallon
- Fuel prices in our service area:

Lee's Summit	\$5.22 per gal.
Clinton	\$5.25 per gal.
Gardner	\$5.65 per gal.
Johnson County	\$6.40 per gal.
Grain Valley	\$5.49 per gal.

AVGAS Sales: (June 24th to July 30th)

Price \$5.46 per gallon

Gallons Sold 779.370

Revenue \$4,255.36

Profit \$524.67

Airport Hangar Taxi Lane Project:

Since the city was not able to secure additional funds for the construction portion of the Hangar B & D Rehabilitation Project the original executed design contract with our consultants, Lochner, will be changed to reflect a multiyear project. Given the rather large cost of this project we expect it to take at least three years to complete this project and may take even longer depending on what other maintenance projects are needed in the near future.

Haying Contract:

An opportunity to hay the grounds at the airport has been publicly advertised. This is an

opportunity to hay around 50 acres of grass around the airport. A long term agreement is also an option to allow the ground to be improved to suit. The deadline for proposals is September 1st.

Airport Open House:

The Harrisonville Rotary Club is planning to do the pancake breakfast prior to the Airport's Open House on September 27th. As in the past, the breakfast will begin around 7:30 am and end around 10 when the airplane rides are going in full swing.

The open house will be held rain or shine but in the event that weather prevents the free airplane rides we have scheduled a "rain date" on October 11th. This day will be for airplane rides only starting with those in attendance at the open house and then accommodating anyone else that time permits.

A. Discussion Item (ID # 1546)

AIRPORT REPORT

Attachments:

Potential Jet Fuel Sales Aug 14 (PDF)

POTENTIAL JET FUEL SALES

(in gallons)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	<i>ANNUAL</i>
													<i><u>TOTAL</u></i>
2003	?	?	1,700	2,300	2,300	2,500	2,000	2,500	1,800	1,500	1,200	1,400	19,200
2004	1,800	2,500	3,500	2,500	1,500	1,500	3,000	2,800	2,000	2,000	3,200	3,400	29,700
2005	2,100	1,400	1,200	2,200	2,400	2,000	1,500	1,000	2,000	1,500	1,000	1,300	19,600
2006	1,000	1,500	1,800	1,800	1,000	1,300	1,000	1,200	1,500	1,000	1,100	800	15,000
2007	500	1,000	1,000	1,200	1,000	1,200	1,000	500	600	500	300	200	9,000
2008	200	200	200	100	100	200	300	400	200	250	150	100	2,400
2009	150	100	100	150	200	250	150	250	150	150	100	100	1,850
2010	250	350	250	150	150	100	100	150	100	0	200	250	2,050
2011	350	300	250	200	250	200	250	350	200	200	250	200	3,000
2012	150	250	150	200	400	300	200	200	300	200	350	100	2,800
2013	350	250	150	200	250	300	450	250	200	350	550	350	3,650
2014	1,800	500	200	200	300	350	300	200					3,850