

Linn Valley Water Facts

1. There is a need for additional and improved quality of potable water for Linn Valley Property Owners.
2. The City received an Administrative Order from Kansas Department of Health and Environment (KDHP) regarding the Total Organic Carbon (TOC) violations and provided an option of entering into a negotiated Consent Order or be advising that City enter into a Consent Order or a mandated remediation will be enforced. The City Council voted on to enter into a negotiated Consent Order for compliance.
3. Currently there are four methods of potable water supply/distribution
 - Local (City/POA) Water District
 - POA delivery to holding tank
 - RWD #1
 - Self-service hauling
4. City of Linn Valley signed a contract with BG Consultants in November of 2017 to conduct a Preliminary Engineering Report that will pursue gathering data and present options to include funding sources.
5. The Water System Project process is provided on page three and includes public meetings for sharing of information and input from the community.
6. Linn Valley has an Insurance Service Office (ISO) rating of 9 for the fire suppression system, impact on insurance rates for each Property Owner.

Linn Valley Water Plant

- The Plant is 20 years old.
- The Vacuum System is the worst part - the tank must be drained daily to help keep the chlorine readings steady.
- Need a new siphon line from the main lake to the plant - Plant must be off to divert water to the golf course irrigation lake.
- Need to switch to liquid feed chemicals - there is no room in the plant building.
- No raw water meter - must guess how much water is coming into the plant
- The existing Clearwell is concrete.
- Must have one pump running at all times to keep the pressure up - this indicates there is a leak or check valve that is not holding the pressure which should remain steady.
- The Controls and Control Panel are 20 years old which does not allow to adjust the back wash times and cycles.
- The building that houses the plant needs a new roof, paint, west side siding and window.
- Water overflow does not run to the floor drain - it runs to all of the doors and into the office.
- No restroom or shower - should have an emergency shower and eyewash station.
- The metering valve in the line going to the filter and clarifier is not the right valve.
- Currently feeding carbon for the TOC Violation and was instructed to do so by our chemical supply company. We learned recently that an engineer was to design the new feed setup that was then to be approved by KDHE. Carbon is a dangerous product to work with.
- The plant is worn out and needs updated/replaced. The siphon line from the main lake to the water plant needs replaced. Shut-off valves need replaced. KDHE recommends that customer meters be replaced when they reach an age of ten years or register one million gallons of usage. Currently the meters are replaced when it is noted that they are not working properly.

Public Meeting Overview of Scope of Services

Linn Valley Water System Improvements

4-14-18

SCOPE OF WORK

1. Consultant will recommend improvements to address known inadequacies with the water system infrastructure including supply and distribution. Options identified to date and included in the Scope of Services include and are limited to:
 - A. Water Supply Options:
 - I. Water Purchase from Linn Rural Water District (RWD) #1 (supplied by Public Wholesale Water District (PWWD) #13 or the City of La Cygne) and abandon the City Water Treatment Plant (WTP).
 - II. City WTP with backup Emergency Water Purchase from Linn RWD #1 (supplied by PWWD #13 or the City of La Cygne). Note: This is the existing supply scenario.
 - B. Water Distribution Options:
 - I. Water Distribution by Linn RWD #1 and negotiate the sale of existing City Water infrastructure to Linn RWD #1.
 - II. Water Distribution through a Combination of City Distribution and Linn RWD #1 Distribution. Note: This is the existing supply scenario.
 - III. Water Distribution by the City and negotiate the purchase of existing Linn RWD #1 water infrastructure by the City.