

This is an annual Inflow and Infiltration report for the City of Independence from February 2016 to February 2017. It will consist of budget numbers and money spent on videoing and cleaning sewer lines, and what we are doing to prevent I and I into the city's sewer system. I will also show how many overflows we had and what we are trying to do to prevent them in the future.

We don't have an exact budget number that is allocated directly towards I and I but we have different areas where money is spent to help with different problems pertaining to the sewer system. We spent 1712.50 with C-More pipe on different areas that were videoed and cleaned. We spent 6607.50 with Dave Brandt who came in and sealed manholes for us. We are having a contractor installing a new manhole in an alley downtown so we can gain access for cleaning and videoing, on February 15<sup>th</sup> of this year. We have another 8000 dollars I will spend on sealing more manholes throughout town before July 1<sup>st</sup>. We also have another 3000 to spend on videoing and cleaning to spend before July 1<sup>st</sup>. That will spend almost all of our 30000 budgeted for repairs and maintenance. We keep track of all of our run times on our 13 lift stations and we try to figure out which pump stations have long run times after heavy rain events. This is one of the ways we try and figure out which part of town to work in. We currently bought a push camera which is helping us after we clean a line to be able to check the condition of the line. We are also in the process of trying to budget more money to have more of our sewer lines videoed because it has been several years since some have been videoed.

We had no overflows in the city, do to plugged lines. We do have (hot spots) that we try and clean twice a year and keep a closer eye on. We have been lucky we were able to catch plugged lines before they overflowed or did damage to anyone's property or ran into the city streets. We did have to release our sewer ponds early this year. We are able to discharge to the Willamette River from November 1<sup>st</sup> until May 31<sup>st</sup> as per our permit number 101217. We filed for an early discharge because we received so much rain we could no longer hold back the water in the sewer ponds. We started releasing on October 13<sup>th</sup> 2016 and continued through October 31<sup>st</sup> 2016. We released 57.945 million gallons of treated water into the river early.

The City of Independence is currently in the process of getting approval for installing a spray effluent system, that will help with our summer storage problem. We are also in the process of hiring SFE Global to come in and do a 63 day flow monitoring, of 9 different manholes in Basin B. This project is going to cost 30,000 dollars. I have also attached a separate sheet that our sewer engineer gave to us of some upcoming I and I projects. We are doing some extensive work on a major I and I problem area. After these projects are complete we should hopefully notice a reduction in our I and I. Hopefully we can press forward in the upcoming years to continue to work on the City's I and I problems.

Chad Tracy