



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

CERTIFIED MAIL: 7009 2250 0000 0886 5974
RETURN RECEIPT REQUESTED

May 12, 2015

Mr. Matt Jaspering, P.E., District Engineer
PWSD No. 2 of St. Charles County
100 Water Drive
O'Fallon, MO 63368

RE: Public Water Supply District (PWSD) No. 2 of St. Charles County – Sanitary Sewer
Collection System Specifications, Standard Sewer Specifications and Details Deviation
Request Expansion

Dear Mr. Jaspering:

The Department of Natural Resources' Water Protection Program has given your deviation request received on November 12, 2014 further consideration. We expect a response to the following within 30 days receipt of this letter:

Requirement No. 10 of the original department comment letter dated August 1, 2014 requested the standard specifications to revised Detail C to include concrete encasement of the drop connection. "Due to unequal earth pressures that would result from the backfilling operation in the vicinity of the manhole, the entire outside drop connection shall be encased in concrete", per 10 CSR 8.120(6)(B)4.

In order to obtain a permanent deviation for the PWSD No. 2 of St. Charles County Sanitary Sewer Collection System Specifications, the district must submit a separate written request. "Justification must substantially demonstrate in writing and through calculations that a variation(s) from the design rules will result in either at least equivalent or improved effectiveness", per 10 CSR 20-8.120(1)(A).

1. What year was Detail C first finalized and required by the Sanitary Sewer Collection System Specifications?
2. Provide the estimated number of installed manholes with outside drops shown in Detail C. How many have had reported leaks or failures?
3. Supply the documentation if available or a summary of the number of manholes with outside drop connections which failed due to the concrete encasement in the district.
4. Present the justification and equivalency of the district's method to prevent unequal earth pressures from damaging the manhole outside drop connection.

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Construction, installation, expansion or modification of any collection system or wastewater treatment facility is prohibited until a construction permit is issued by the Department, per 10 CSR 20-6.010(4)(A).

If you have any questions concerning this matter, please contact Mrs. Emily Carpenter at (573) 751-6569, emily.carpenter@dnr.mo.gov, or Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, MO 65102-0176. Thank you.

Sincerely,

WATER PROTECTION PROGRAM



Byron F. Shaw, Jr., P.E., SRF Engineering Unit Chief
Financial Assistance Center

BFS:ecc

c: St. Louis Regional Office
Mr. Refaat Mefrakis, P.E., Water Protection Program, Engineering Section
Ms. Emily Carpenter, Water Protection Program, Financial Assistance Center