**滑县集中式生活饮用水水源水质状况报告**

**（第四季度）**

一、监测情况

2019年第四季度，环境监测站对1个地表型饮用水源地（三水厂）和1个地下型饮用水源地（二水厂）进行了监测，达标率为100％。

（一）监测点位：二水厂、三水厂。

（二）监测项目：一个地下型饮用水水源，监测项目根据《地下水质量标准》（GB/T14848-93）分别测定pH值、总硬度（以CaCO3计）、硫酸盐、氯化物、高锰酸盐指数、氨氮、氟化物、总大肠菌群、挥发酚、硝酸盐（以N计）、亚硝酸盐（以N计）、铁、锰、铜、锌、阴离子合成洗涤剂、氰化物、汞、砷、硒、镉、铬（六价）、铅共23项及每月取水量。地表饮用水源地监测项目按照《地表水环境质量标准》（GB3838-2002）表1基本项目（化学需氧量除外）、表2地表水源地补充项目共28项和表3的优选特定项目33项（监测项目及推荐方法详见河南省环境保护厅豫环文〔2013〕43号中附表1），共61项及每月取水量。

二、评价标准

地表饮用水源地按《地表水环境质量标准》（GB3838-2002）表1Ⅲ类及表2、表3标准限值执行；地下饮用水源地按《地

下水质量标准》（GB/T14848-93）Ⅲ类执行。

三、评价结果

根据饮用水源地监测结果（见附表），滑县水质各项目均达到III类水质标准，达标率为100％。

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| **十月份地表饮用水分析结果报告单** | | | | | | | | | | | | | | |
| 单位：mg/L(PH值除外) | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **水温℃** | **pH** | **溶解氧** | **高锰酸盐指数** | **化学需氧量** | **生化需氧量** | **氨氮** | **总磷** | **总氮** | **铜** | **锌** | **氟化物** | **硒** |
|  | |  | **6~9** | **≧5** | **≦6** | **≦20** | **≦4** | **≦1.0** | **≦0.2** | **≦1.0** | **≦1.0** | **≦1.0** | **≦1.0** | **≦0.01** |
| **三水厂** | 2019.10.08 | **20.1** | **8.1** | **7.5** | **2.0** | **/** | **0.5** | **0.05** | **0.01L** | **1.46** | **0.006L** | **0.009L** | **0.23** | **0.0004L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **砷** | **汞** | **镉** | **六价铬** | **铅** | **氰化物** | **挥发酚** | **石油类** | **阴离子表面活性剂** | **硫化物** | **粪大肠菌群** | **硫酸盐** | **氯化物** |
|  | | **≦0.05** | **≦0.0001** | **≦0.005** | **≦0.05** | **≦0.05** | **≦0.2** | **≦0.005** | **≦0.05** | **≦0.2** | **≦0.2** | **10000** | **≦250** | **≦250** |
| **三水厂** | 2019.10.08 | **0.0013** | **0.00004L** | **0.0001L** | **0.004L** | **0.001L** | **0.001L** | **0.0003L** | **0.01L** | **0.05L** | **0.005L** | **<20** | **18** | **5** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **硝酸盐** | **铁** | **锰** | **三氯甲烷** | **四氯化碳** | **三氯乙烯** | **四氯乙烯** | **苯乙烯** | **甲醛** | **苯** | **甲苯** | **乙苯** | **二甲苯①** |
|  | | **≦10** | **≦0.3** | **≦0.1** | **≦0.06** | **≦0.002** | **≦0.07** | **≦0.04** | **≦0.02** | **≦0.9** | **≦0.01** | **≦0.7** | **≦0.3** | **≦0.5** |
| **三水厂** | 2019.10.08 | **0.65** | **0.02L** | **0.004L** | **0.0004L** | **0.0004L** | **0.0004L** | **0.0002L** | **0.0002L** | **0.05L** | **0.0004L** | **0.0003L** | **0.0003L** | **0.0005L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **异丙苯** | **氯苯** | **1,2-二氯苯** | **1,4-二氯苯** | **三氯苯②** | **硝基苯** | **二硝基苯④** | **硝基氯苯⑤** | **邻苯二甲酸二丁酯** | **邻苯二甲酸二（2-乙基已基）酯** | **滴滴涕** | **林丹** | **阿特拉津** |
|  | | **≦0.25** | **≦0.3** | **≦1.0** | **≦0.3** | **≦0.02** | **≦0.017** | **≦0.5** | **≦0.05** | **≦0.003** | **≦0.008** | **≦0.001** | **≦0.002** | **≦0.003** |
| **三水厂** | 2019.10.08 | **0.0003L** | **0.0002L** | **0.0004L** | **0.0004L** | **0.0005L** | **0.00017L** | **0.000024L** | **0.000019L** | **0.0025L** | **0.0025L** | **0.00002L** | **0.00001L** | **0.00008L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **苯并（a)芘** | **钼** | **钴** | **铍** | **硼** | **锑** | **镍** | **钡** | **钒** | **铊** | **月取水量（万吨）** |  |  |
|  | | **≦2.4\*10-6** | **≦0.07** | **≦1.0** | **≦0.002** | **≦0.5** | **≦0.005** | **≦0.02** | **≦0.7** | **≦0.05** | **≦0.001** |  |  |  |
| **三水厂** | 2019.10.08 | **0.0000004L** | **0.05L** | **0.02L** | **0.0002L** | **0.4L** | **0.0006** | **0.007L** | **0.057** | **0.01L** | **0.00003L** | **124** |  |  |

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| **滑县环境监测站分析结果报告单** | | | | | | | | | | | |
|  | | | | | | | | | | | |
| 项目名称：十月份地下水例行监测 | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 本月取水量（万吨） | pH | 总硬度mg/L | 硫酸盐mg/L | 氯化物mg/L | 铁 mg/L | 锰 mg/L | 铜 mg/L | 锌 mg/L | 挥发酚mg/L |
| 二水厂 | 2019.10.08 | 0.6 | 7.73 | 130 | 25 | 10 | 0.02L | 0.004L | 0.006L | 0.009L | 0.0003L |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 阴离子合成洗涤剂 mg/L | 耗氧量mg/L | 硝酸盐mg/L | 亚硝酸盐mg/L | 氨氮 mg/L | 氟化物mg/L | 氰化物mg/L | 汞 mg/L | 砷 mg/L | 硒 mg/L |
| 二水厂 | 2019.10.08 | 0.05L | 2.3 | 0.64 | 0.003L | 0.05 | 0.23 | 0.001L | 0.00004L | 0.0012 | 0.0004L |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 镉 mg/L | 六价铬mg/L | 铅 mg/L | 总大肠菌群 MPN/100mL | 色度 （铂钴色度单位） | 浑浊度 NTU | 碘化物mg/L | 细菌总数CFU/mL | 总α放射性Bq/L | 总β放射性Bq/L |
| 二水厂 | 2019.10.08 | 0.0001L | 0.004L | 0.001L | 3L | 5L | 1L | 0.0025L | 7 | 0.047 | 0.098 |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 溶解性总固体mg/L | 铝 mg/L | 硫化物mg/L | 钠 mg/L | 三氯甲烷μg/L | 四氯化碳μg/L | 苯 μg/L | 甲苯 μg/L | 嗅和味 | 肉眼可见物 |
| 二水厂 | 2019.10.08 | 169 | 0.07L | 0.005L | 4.45 | 10.1 | 0.4L | 0.4L | 0.3L | 无 | 无 |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | |

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| **十一月份地表饮用水分析结果报告单** | | | | | | | | | | | | | | |
| 单位：mg/L(PH值除外) | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **水温℃** | **pH** | **溶解氧** | **高锰酸盐指数** | **化学需氧量** | **生化需氧量** | **氨氮** | **总磷** | **总氮** | **铜** | **锌** | **氟化物** | **硒** |
|  | |  | **6~9** | **≧5** | **≦6** | **≦20** | **≦4** | **≦1.0** | **≦0.2** | **≦1.0** | **≦1.0** | **≦1.0** | **≦1.0** | **≦0.01** |
| **三水厂** | 2019.11.04 | **17** | **8.01** | **7.57** | **3.1** | **/** | **0.5** | **0.05** | **0.04** | **1.01** | **0.04L** | **0.009L** | **0.19** | **0.0004L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **砷** | **汞** | **镉** | **六价铬** | **铅** | **氰化物** | **挥发酚** | **石油类** | **阴离子表面活性剂** | **硫化物** | **粪大肠菌群** | **硫酸盐** | **氯化物** |
|  | | **≦0.05** | **≦0.0001** | **≦0.005** | **≦0.05** | **≦0.05** | **≦0.2** | **≦0.005** | **≦0.05** | **≦0.2** | **≦0.2** | **10000** | **≦250** | **≦250** |
| **三水厂** | 2019.11.04 | **0.0012** | **0.00004L** | **0.0001L** | **0.004L** | **0.001L** | **0.001L** | **0.0003L** | **0.01L** | **0.05L** | **0.005L** | **<20** | **18** | **3** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **硝酸盐** | **铁** | **锰** | **三氯甲烷** | **四氯化碳** | **三氯乙烯** | **四氯乙烯** | **苯乙烯** | **甲醛** | **苯** | **甲苯** | **乙苯** | **二甲苯①** |
|  | | **≦10** | **≦0.3** | **≦0.1** | **≦0.06** | **≦0.002** | **≦0.07** | **≦0.04** | **≦0.02** | **≦0.9** | **≦0.01** | **≦0.7** | **≦0.3** | **≦0.5** |
| **三水厂** | 2019.11.04 | **0.72** | **0.01L** | **0.004L** | **0.0004L** | **0.0004L** | **0.0004L** | **0.0002L** | **0.0002L** | **0.05L** | **0.0004L** | **0.0003L** | **0.0003L** | **0.0005L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **异丙苯** | **氯苯** | **1,2-二氯苯** | **1,4-二氯苯** | **三氯苯②** | **硝基苯** | **二硝基苯④** | **硝基氯苯⑤** | **邻苯二甲酸二丁酯** | **邻苯二甲酸二（2-乙基已基）酯** | **滴滴涕** | **林丹** | **阿特拉津** |
|  | | **≦0.25** | **≦0.3** | **≦1.0** | **≦0.3** | **≦0.02** | **≦0.017** | **≦0.5** | **≦0.05** | **≦0.003** | **≦0.008** | **≦0.001** | **≦0.002** | **≦0.003** |
| **三水厂** | 2019.11.04 | **0.0003L** | **0.0002L** | **0.0004L** | **0.0004L** | **0.0005L** | **0.00017L** | **0.000024L** | **0.000019L** | **0.0025L** | **0.0025L** | **0.00002L** | **0.00001L** | **0.00008L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **苯并（a)芘** | **钼** | **钴** | **铍** | **硼** | **锑** | **镍** | **钡** | **钒** | **铊** | **月取水量（万吨）** |  |  |
|  | | **≦2.4\*10-6** | **≦0.07** | **≦1.0** | **≦0.002** | **≦0.5** | **≦0.005** | **≦0.02** | **≦0.7** | **≦0.05** | **≦0.001** |  |  |  |
| **三水厂** | 2019.11.04 | **0.0000004L** | **0.02L** | **0.02L** | **0.0002L** | **0.4L** | **0.0006** | **0.007L** | **0.043** | **0.01L** | **0.00003L** | **118** |  |  |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | | | | |

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| **滑县环境监测站分析结果报告单** | | | | | | | | | | | |
|  | | | | | | | | | | | |
| 项目名称：十一月份地下水例行监测 | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 本月取水量（万吨） | pH | 总硬度mg/L | 硫酸盐mg/L | 氯化物mg/L | 铁 mg/L | 锰 mg/L | 铜 mg/L | 锌 mg/L | 挥发酚mg/L |
|  | |  | 6.5~8.5 | ≦450 | ≦250 | ≦250 | ≦0.3 | ≦0.1 | ≦1.0 | ≦1.0 | ≦0.002 |
| 二水厂 | 2019.11.04 | 0.4 | 7.68 | 134 | 20 | 7 | 0.01L | 0.004L | 0.006L | 0.002 | 0.0003L |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 阴离子合成洗涤剂 mg/L | 耗氧量mg/L | 硝酸盐mg/L | 亚硝酸盐mg/L | 氨氮 mg/L | 氟化物mg/L | 氰化物mg/L | 汞 mg/L | 砷 mg/L | 硒 mg/L |
|  | | ≦0.3 | ≦3.0 | ≦20 | ≦1.0 | ≦0.5 | ≦1.0 | ≦0.05 | ≦0.001 | ≦0.01 | ≦0.01 |
| 二水厂 | 2019.11.04 | 0.05L | 2.4 | 0.66 | 0.003L | 0.025L | 0.18 | 0.001L | 0.00004L | 0.001 | 0.0004L |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 镉 mg/L | 六价铬mg/L | 铅 mg/L | 总大肠菌群 MPN/100mL | 色度 （铂钴色度单位） | 浑浊度 NTU | 碘化物mg/L | 细菌总数CFU/mL | 总α放射性Bq/L | 总β放射性Bq/L |
|  | | ≦0.005 | ≦0.05 | ≦0.01 | ≦3.0 | ≦15 | ≦3 | ≦0.08 | ≦100 | ≦0.5 | ≦1.0 |
| 二水厂 | 2019.11.04 | 0.0001L | 0.004L | 0.001L | 3L | 5L | 1L | 0.0025L | 63 | 0.061 | 0.076 |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 溶解性总固体mg/L | 铝 mg/L | 硫化物mg/L | 钠 mg/L | 三氯甲烷μg/L | 四氯化碳μg/L | 苯 μg/L | 甲苯 μg/L | 嗅和味 | 肉眼可见物 |
|  | | ≦1000 | ≦0.2 | ≦0.02 | ≦200 | ≦60 | ≦2.0 | ≦10 | ≦700 | 无 | 无 |
| 二水厂 | 2019.11.04 | 264 | 0.07L | 0.005L | 5.02 | 18.2 | 0.4L | 0.4L | 0.3L | 无 | 无 |
|  |  |  |  |  |  |  |  |  |  |  |  |

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| **十二月份地表饮用水分析结果报告单** | | | | | | | | | | | | | | |
| 单位：mg/L(PH值除外) | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **水温℃** | **pH** | **溶解氧** | **高锰酸盐指数** | **化学需氧量** | **生化需氧量** | **氨氮** | **总磷** | **总氮** | **铜** | **锌** | **氟化物** | **硒** |
|  | |  | **6~9** | **≧5** | **≦6** | **≦20** | **≦4** | **≦1.0** | **≦0.2** | **≦1.0** | **≦1.0** | **≦1.0** | **≦1.0** | **≦0.01** |
| **三水厂** | 2019.12.02 | **6.5** | **8.24** | **7.74** | **2.3** | **/** | **0.5** | **0.14** | **0.03** | **0.92** | **0.006L** | **0.009L** | **0.16** | **0.0004L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **砷** | **汞** | **镉** | **六价铬** | **铅** | **氰化物** | **挥发酚** | **石油类** | **阴离子表面活性剂** | **硫化物** | **粪大肠菌群** | **硫酸盐** | **氯化物** |
|  | | **≦0.05** | **≦0.0001** | **≦0.005** | **≦0.05** | **≦0.05** | **≦0.2** | **≦0.005** | **≦0.05** | **≦0.2** | **≦0.2** | **10000** | **≦250** | **≦250** |
| **三水厂** | 2019.12.02 | **0.0012** | **0.00004L** | **0.0001L** | **0.004L** | **0.001L** | **0.001L** | **0.0003L** | **0.01L** | **0.05L** | **0.005L** | **<20** | **20** | **3** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **硝酸盐** | **铁** | **锰** | **三氯甲烷** | **四氯化碳** | **三氯乙烯** | **四氯乙烯** | **苯乙烯** | **甲醛** | **苯** | **甲苯** | **乙苯** | **二甲苯①** |
|  | | **≦10** | **≦0.3** | **≦0.1** | **≦0.06** | **≦0.002** | **≦0.07** | **≦0.04** | **≦0.02** | **≦0.9** | **≦0.01** | **≦0.7** | **≦0.3** | **≦0.5** |
| **三水厂** | 2019.12.02 | **0.9** | **0.02L** | **0.004L** | **0.0004L** | **0.0004L** | **0.0004L** | **0.0002L** | **0.0002L** | **0.05L** | **0.0004L** | **0.0003L** | **0.0003L** | **0.0005L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **异丙苯** | **氯苯** | **1,2-二氯苯** | **1,4-二氯苯** | **三氯苯②** | **硝基苯** | **二硝基苯④** | **硝基氯苯⑤** | **邻苯二甲酸二丁酯** | **邻苯二甲酸二（2-乙基已基）酯** | **滴滴涕** | **林丹** | **阿特拉津** |
|  | | **≦0.25** | **≦0.3** | **≦1.0** | **≦0.3** | **≦0.02** | **≦0.017** | **≦0.5** | **≦0.05** | **≦0.003** | **≦0.008** | **≦0.001** | **≦0.002** | **≦0.003** |
| **三水厂** | 2019.12.02 | **0.0003L** | **0.0002L** | **0.0004L** | **0.0004L** | **0.0005L** | **0.00017L** | **0.000024L** | **0.000019L** | **0.0025L** | **0.0025L** | **0.00002L** | **0.00001L** | **0.00008L** |
|  | | | | | | | | | | | | | | |
| **采样地点** | 采样时间 | **苯并（a)芘** | **钼** | **钴** | **铍** | **硼** | **锑** | **镍** | **钡** | **钒** | **铊** | **月取水量（万吨）** |  |  |
|  | | **≦2.4\*10-6** | **≦0.07** | **≦1.0** | **≦0.002** | **≦0.5** | **≦0.005** | **≦0.02** | **≦0.7** | **≦0.05** | **≦0.001** |  |  |  |
| **三水厂** | 2019.12.02 | **0.0000004L** | **0.05L** | **0.02L** | **0.0002L** | **0.4L** | **0.0006** | **0.007L** | **0.057** | **0.01L** | **0.00003L** | **116** |  |  |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **滑县环境监测站分析结果报告单** | | | | | | | | | | | |
|  | | | | | | | | | | | |
| 项目名称：十二月份地下水例行监测 | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 本月取水量（万吨） | pH | 总硬度mg/L | 硫酸盐mg/L | 氯化物mg/L | 铁 mg/L | 锰 mg/L | 铜 mg/L | 锌 mg/L | 挥发酚mg/L |
| 二水厂 | 2019.12.02 | 0.5 | 7.89 | 128 | 21 | 7 | 0.02L | 0.004L | 0.006L | 0.009L | 0.0003L |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 阴离子合成洗涤剂 mg/L | 耗氧量mg/L | 硝酸盐mg/L | 亚硝酸盐mg/L | 氨氮 mg/L | 氟化物mg/L | 氰化物mg/L | 汞 mg/L | 砷 mg/L | 硒 mg/L |
| 二水厂 | 2019.12.02 | 0.05L | 1.6 | 0.82 | 0.003L | 0.10 | 0.17 | 0.001L | 0.00004L | 0.0009 | 0.0004L |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 镉 mg/L | 六价铬mg/L | 铅 mg/L | 总大肠菌群 MPN/100mL | 色度 （铂钴色度单位） | 浑浊度 NTU | 碘化物mg/L | 细菌总数CFU/mL | 总α放射性Bq/L | 总β放射性Bq/L |
| 二水厂 | 2019.12.02 | 0.0001L | 0.004L | 0.001L | 3L | 5L | 1L | 0.0025L | 23 | 0.016L | 0.086 |
|  | | | | | | | | | | | |
| 采样　地点 | 采样时间 | 溶解性总固体mg/L | 铝 mg/L | 硫化物mg/L | 钠 mg/L | 三氯甲烷μg/L | 四氯化碳μg/L | 苯 μg/L | 甲苯 μg/L | 嗅和味 | 肉眼可见物 |
| 二水厂 | 2019.12.02 | 178 | 0.07L | 0.005L | 4.99 | 12.1 | 0.4L | 0.4L | 0.3L | 无 | 无 |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | |