**滑县集中式生活饮用水水源水质状况报告**

**（第二季度）**

一、监测情况

2019年第二季度，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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| **四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** | 2019.4.01 | **14.5** | **8.22** | **7.15** | **2.0** | **/** | **1.1** | **0.15** | **0.05** | **0.96** | **0.04L** | **0.009L** | **0.22** | **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** | 2019.4.01 | **0.0013** | **0.00004L** | **0.0001L** | **0.004L** | **0.001L** | **0.001L** | **0.0003L** | **0.01L** | **0.05L** | **0.005L** | **<3** | **14** | **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** | 2019.4.01 | **0.678** | **0.01L** | **0.01L** | **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** | 2019.4.01 | **0.0003L** | **0.0002L** | **0.0004L** | **0.0004L** | **0.0005L** | **0.00017L** | **0.000024L** | **0.000017L** | **0.0001L** | **0.0001L** | **0.00002L** | **0.00001L** | **0.0002L** |
|  | | | | | | | | | | | | | | |
| **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** | 2019.4.01 | **1.4\*10-6L** | **0.05L** | **0.02L** | **0.0002L** | **0.03** | **0.0011** | **0.007L** | **0.06** | **0.01L** | **0.00001L** | **109** |  |  |

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| **滑县环境监测站分析结果报告单** | | | | | | | | | | | |
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| 项目名称：四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 | 2019.4.01 | 0.6 | 8.23 | 138 | 14 | 8 | 0.01L | 0.01L | 0.04L | 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 | 2019.4.01 | 0.05L | 1.4 | 0.695 | 0.003L | 0.10 | 0.21 | 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 |
| 二水厂 | 2019.4.01 | 0.0001L | 0.004L | 0.001L | 3L | 5L | 1L | 0.0025L | 22 | 0.048 | 0.136 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 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 | 2019.4.01 | 997 | 0.04L | 0.005L | 112 | 0.4L | 0.4L | 0.4L | 0.3L | 无 | 无 |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | |

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| **五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** |
| **三水厂** | 2019.5.05 | **18.7** | **8.08** | **7.04** | **2.3** | **/** | **0.6** | **0.12** | **0.05** | **0.84** | **0.04L** | **0.009L** | **0.4** | **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** |
| **三水厂** | 2019.5.05 | **0.0013** | **0.00004L** | **0.0001L** | **0.004L** | **0.001L** | **0.001L** | **0.0003L** | **0.01L** | **0.05L** | **0.005L** | **<3** | **16** | **6** |
|  | | | | | | | | | | | | | | |
| **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** |
| **三水厂** | 2019.5.05 | **0.7** | **0.01L** | **0.01L** | **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** |
| **三水厂** | 2019.5.05 | **0.0003L** | **0.0002L** | **0.0004L** | **0.0004L** | **0.0005L** | **0.00017L** | **0.000024L** | **0.000017L** | **0.0001L** | **0.0001L** | **0.00002L** | **0.00001L** | **0.0002L** |
|  | | | | | | | | | | | | | | |
| **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）** |  |  |
| **三水厂** | 2019.5.05 | **1.4\*10-6L** | **0.05L** | **0.02L** | **0.0002L** | **0.01L** | **0.0006** | **0.007L** | **0.07** | **0.01L** | **0.00001L** | **112** |  |  |
| 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：五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 | 2019.5.05 | 0.5 | 7.93 | 138 | 15 | 10 | 0.01L | 0.01L | 0.04L | 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 | 2019.5.05 | 0.05L | 1.7 | 0.68 | 0.003L | 0.06 | 0.21 | 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 | 2019.5.05 | 0.0001L | 0.004L | 0.001L | 3L | 5L | 1L | 0.0025L | 26 | 0.029 | 0.044 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 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 | 2019.5.05 | 213 | 0.04L | 0.005L | 6.012 | 0.4L | 0.4L | 0.4L | 0.3L | 无 | 无 |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | |

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| **六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** |
| **三水厂** | 2019.6.03 | | **30** | | **8.19** | **7.12** | | **2.0** | | **/** | | **1.0** | | **0.03** | | **0.04** | **1.44** | | | **0.04L** | | **0.009L** | | **0.26** | **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** |
| **三水厂** | 2019.6.03 | | **0.0014** | | **0.00004L** | **0.0001L** | | **0.004L** | | **0.001L** | | **0.001L** | | **0.0003L** | | **0.01L** | **0.05L** | | | **0.005L** | | **<3** | | **17** | **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** |
| **三水厂** | 2019.6.03 | | **0.68** | | **0.01L** | **0.01L** | | **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** |
| **三水厂** | 2019.6.03 | | **0.0003L** | | **0.0002L** | **0.0004L** | | **0.0004L** | | **0.0005L** | | **0.00017L** | | **0.000024L** | | **0.000017L** | **0.0001L** | | | **0.0001L** | | **0.00002L** | | **0.00001L** | **0.0002L** |
|  | | | | | | | | | | | | | | | | | | | | | | | | | |
| **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）** | |  |  |
| **三水厂** | 2019.6.03 | | **1.4\*10-6L** | | **0.05L** | **0.02L** | | **0.0002L** | | **0.01L** | | **0.0009** | | **0.007L** | | **0.07** | **0.01L** | | | **0.00001L** | | **116** | |  |  |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | | | | | | | | | | | | | | | |
| **滑县环境监测站分析结果报告单** | | | | | | | | | | | | | | | | | | | | | | | |
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| 项目名称：六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 | | 2019.6.03 | | 0.5 | | | 7.91 | | 136 | | 22 | | 9 | | 0.01L | | | 0.01L | 0.04L | | 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 | | 2019.6.03 | | 0.05L | | | 1.3 | | 0.61 | | 0.003L | | 0.09 | | 0.26 | | | 0.001L | 0.00004L | | 0.0013 | | 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 | | 2019.6.03 | | 0.0001L | | | 0.004L | | 0.001L | | 3L | | 5L | | 1L | | | 0.0025L | 30 | | 0.088 | | 0.039 |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | 2019.6.03 | | 190 | | | 0.04L | | 0.005L | | 6.4 | | 22.1 | | 0.4L | | | 0.4L | 0.3L | | 无 | | 无 |
| 注：带“Ｌ”均为未检出 | | | | | | | | | | | | | | | | | | | | | | | |