

**Koon, Nancy**

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**From:** Carol Joan Patterson <joanie.patterson@yahoo.com>  
**Sent:** Monday, March 21, 2022 9:34 PM  
**To:** Water Draft Permit Comment  
**Cc:** pmccarkansas@gmail.com  
**Subject:** RE: Discharge Permit Number AR0053210, AFIN 60-0501

Dear Mr. Khan,

Please DENY the Paradise Valley sewage treatment facility on Roland Cutoff Road and hold a public hearing on the issues. I have great concern about a sewage treatment facility being permitted on Mill Bayou in Pulaski County. Mill Bayou is often stagnant with very little flow. Pools of water remain in low areas, which can promote growth of algae blooms and cause the water to become toxic. The addition of a sewage treatment facility could potentially add to this problem and cause irreversible environmental harm in several other ways. The continuous rise and fall of waterways can create more pools of water with lethal levels of nitrogen and phosphorus. This lethal combination depletes the oxygen level of the water killing fish, other aquatic animals, and plant life. When these pools of water are dispersed due to flooding, the pollutants are spread to other areas causing a potential increase in contaminated areas. The process of a sewage treatment facility would also contribute additional chemicals such as chlorine and release suspended fecal solids to the waterway multiplying the health risk. Contaminated water can create a domino effect. Birds, ducks, pets, livestock, and wildlife could drink the toxic water or eat the poisoned fish or plant life. Hunters and fishermen could unknowingly feed tainted game or fish to their families, which could cause life threatening health issues.

This urban development in a rural area with its proposed 450+ homes will likely poison Mill Bayou with its treated sewage especially taking into consideration the developer's stack of ADEQ violations with his current sewage treatment facility serving Waterview Estates. I think the developer rightfully deserves the title of "Bad Actor". These poisonous waters (again considering "Bad Actor" status) will empty into and potentially contaminate the Arkansas River and everything downstream. In addition, Mill Bayou will receive thousands of gallons of storm water runoff from the new Paradise Valley and existing Waterview Estates developments. This is an affront to everything ADEQ stands for. This, as you know, would be the second sewage treatment facility on Mill Bayou (Waterview Estates being this same developer's other sewage facility) which would more than double the amount of treated sewage and chemicals going into Mill Bayou and into the Arkansas River. Consider this "Bad Actor's" history and how he has been operating the Waterview Estates sewage treatment facility. He has been consistently cited for noncompliance violations with the ADEQ. This same "Bad Actor" is now proposing to build another sewage treatment facility that will empty into Mill Bayou, on Roland Cutoff Road!

Please take all of these considerations into account and deny this permit!

Thank you for considering my comments,

Carol Joan Patterson  
1421 CR 323  
Eureka Springs AR 72632

**Koon, Nancy**

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**From:** Carol Joan Patterson <joanie.patterson@yahoo.com>  
**Sent:** Monday, March 21, 2022 9:44 PM  
**To:** Water Draft Permit Comment  
**Subject:** Deny Paradise Valley's sewage facility permit

Dear Mr. Khan,

Please DENY the Paradise Valley sewage treatment facility on Roland Cutoff Road and hold a public hearing on the issues. I have great concern about a sewage treatment facility being permitted on Mill Bayou in Pulaski County. Mill Bayou is often stagnant with very little flow. Pools of water remain in low areas, which can promote growth of algae blooms and cause the water to become toxic. The addition of a sewage treatment facility could potentially add to this problem and cause irreversible environmental harm in several other ways. The continuous rise and fall of waterways can create more pools of water with lethal levels of nitrogen and phosphorus. This lethal combination depletes the oxygen level of the water killing fish, other aquatic animals, and plant life. When these pools of water are dispersed due to flooding, the pollutants are spread to other areas causing a potential increase in contaminated areas. The process of a sewage treatment facility would also contribute additional chemicals such as chlorine and release suspended fecal solids to the waterway multiplying the health risk. Contaminated water can create a domino effect. Birds, ducks, pets, livestock, and wildlife could drink the toxic water or eat the poisoned fish or plant life. Hunters and fishermen could unknowingly feed tainted game or fish to their families, which could cause life threatening health issues.

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