

## Maybelle Sparks

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**From:** Ward, Brett N <brett.ward@tennessee.edu>  
**Sent:** Monday, August 9, 2021 11:26 AM  
**To:** Maybelle Sparks  
**Subject:** [EXTERNAL] RE: Copperhill STP

I will try for three weeks in a row.

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**From:** Maybelle Sparks <Maybelle.Sparks@tn.gov>  
**Sent:** Monday, August 9, 2021 12:25 PM  
**To:** Ward, Brett N <brett.ward@tennessee.edu>  
**Subject:** RE: Copperhill STP

As soon as possible, but the samples really need to be representative of seasonal variation in the discharge. The application does not specify how far you should space them apart though.



Maybelle Sparks, P.E. | Environmental Protection Specialist  
Division of Water Resources | Water Based Systems  
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[Maybelle.Sparks@tn.gov](mailto:Maybelle.Sparks@tn.gov)  
[tn.gov/environment](http://tn.gov/environment)

*We are happy to help! Please let us know how we are doing by filling out this short [customer satisfaction survey](#).*

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**From:** Ward, Brett N <[brett.ward@tennessee.edu](mailto:brett.ward@tennessee.edu)>  
**Sent:** Monday, August 9, 2021 11:10 AM  
**To:** Maybelle Sparks <[Maybelle.Sparks@tn.gov](mailto:Maybelle.Sparks@tn.gov)>  
**Subject:** [EXTERNAL] RE: Copperhill STP

Hi Maybell: Ok, we are moving already. The plant now has a new e-mail and they use Pace labs.

Would you want the three scans in three days, three weeks, or three months, or longer?

Thank You, B

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**From:** Maybelle Sparks <[Maybelle.Sparks@tn.gov](mailto:Maybelle.Sparks@tn.gov)>  
**Sent:** Monday, August 9, 2021 11:29 AM

**To:** Ward, Brett N <[brett.ward@tennessee.edu](mailto:brett.ward@tennessee.edu)>; Angela Oberschmidt <[Angela.Oberschmidt@tn.gov](mailto:Angela.Oberschmidt@tn.gov)>

**Cc:** Wade Murphy <[Wade.Murphy@tn.gov](mailto:Wade.Murphy@tn.gov)>

**Subject:** RE: Copperhill STP

Good morning Brett,

Yes, the effluent testing must be based on three pollutant scans and some parameters are not in their current permit.

The permit application will be deemed complete once we receive results from all the pollutants listed below. Let me

know approximately how much time is needed for the city to sample for the parameters not listed in their current

permit so I may update our database of when to expect the application.

Thank you for your help!

FACILITY NAME AND PERMIT NUMBER:

City of Copperhill WWTP TN0024449

Form Approved 1/14/99  
OMB Number 2040-0086

c. If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

N/A

d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

Implementation Stage	Schedule	Actual Completion
	MM / DD / YYYY	MM / DD / YYYY
- Begin construction	N/A / /	/ /
- End construction	N/A / /	/ /
- Begin discharge	N/A / /	/ /
- Attain operational level	N/A / /	/ /

e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained?  Yes  No

Describe briefly: \_\_\_\_\_

**B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).**

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: 001

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
<b>CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.</b>							
AMMONIA (as N)	3.8	mg/l	2.2	mg/l	3	350.1	
CHLORINE (TOTAL RESIDUAL, TRC)	1.2	mg/l	.9	mg/l	260	4500 CLG	
DISSOLVED OXYGEN	6.9	mg/l	4.9	mg/l	260	Standard 421F	
TOTAL KJELDAHL NITROGEN (TKN)	4.4	mg/l	2.3	mg/l	3	351.2	
NITRATE PLUS NITRITE NITROGEN	5.8	mg/l	5.6	mg/l	3	353.2	
OIL and GREASE	BDL	mg/l	BDL	mg/l	3	1664 A	
PHOSPHORUS (Total)	3.7	mg/l	2.4	mg/l	3	365.1	
TOTAL DISSOLVED SOLIDS (TDS)	290	mg/l	201	mg/l	3	2540C	
OTHER Total Nitrogen	7.9	mg/l	4.7	mg/l	3	Calc	

**END OF PART B.**

**REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE**



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[tn.gov/environment](http://tn.gov/environment)

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**From:** Ward, Brett N <[brett.ward@tennessee.edu](mailto:brett.ward@tennessee.edu)>  
**Sent:** Monday, August 9, 2021 9:16 AM  
**To:** Angela Oberschmidt <[Angela.Oberschmidt@tn.gov](mailto:Angela.Oberschmidt@tn.gov)>; Maybelle Sparks <[Maybelle.Sparks@tn.gov](mailto:Maybelle.Sparks@tn.gov)>  
**Subject:** [EXTERNAL] RE: Copperhill STP

Thank You Angela.

Maybelle: The long-term Copperhill operator, though uncertified, called Saturday to ask for help. I see from the Dataviewer, their application is far overdue. I will be there Aug 23 to help. We should be able to complete the application easily, except the extra testing.

I'm not sure what they have in the way of the "three scans" on the effluent, that is, those parameters not in their current permit.

How do you want me to proceed on this extra testing?

I've not done much work there in over 10 years. Not sure of what lab they may use, or the other testing detail.

I will proceed as-fast-as-possible.

Thanks, Brett

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**From:** Angela Oberschmidt <[Angela.Oberschmidt@tn.gov](mailto:Angela.Oberschmidt@tn.gov)>  
**Sent:** Monday, August 9, 2021 10:01 AM  
**To:** Maybelle Sparks <[Maybelle.Sparks@tn.gov](mailto:Maybelle.Sparks@tn.gov)>; Sarah Elias <[Sarah.Elias@tn.gov](mailto:Sarah.Elias@tn.gov)>  
**Cc:** Ward, Brett N <[brett.ward@tennessee.edu](mailto:brett.ward@tennessee.edu)>; [copperhillws@gmail.com](mailto:copperhillws@gmail.com)  
**Subject:** Copperhill STP

Good morning Maybelle and Sarah,

The City of Copperhill has lost their certified operator and has not submitted their permit application. They have asked Brett Ward from MTAS for assistance with this but Brett cannot come there till August 23<sup>rd</sup>. Additionally they need help

setting up a new subscriber agreement for NETDMR as Todd Dilbeck has agreed to start working at the sewer plant. Sarah can you email Todd with instructions?

Thanks so much,

Have a great week.

Angela