

## Henderson, Katie

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**From:** Gilliam, Allen  
**Sent:** Wednesday, February 08, 2012 1:52 PM  
**To:** mredcarlyle@yahoo.com  
**Cc:** Henderson, Katie  
**Subject:** AR0021776\_Nashvilles 2012 inf\_eff summary chart\_20120208  
**Attachments:** Nashville inf\_eff summary sheet 2012.doc

**Importance:** High

Ed,

Find attached the inf/effluent summary sheet we're asking all Pretreatment Cities to use. I should have mentioned this on my reply to your last annual report. Seems you've modified it eliminating some info we track.

Also included on the attached are your old (ADEQ) calculated MAHCs (now in ug/l) and "WQ levels/limits" (now in ug/l) that you used on your 2007 (dated 2/21/08) annual report, but ceased including them since. Why?...another point I should have questioned you about when that annual report was submitted.

Call with any questions,

Allen Gilliam  
ADEQ State Pretreatment Coordinator  
501.682.0625

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**

**REPORTING YEAR: \_\_\_\_\_, 20\_\_ TO \_\_\_\_\_, 20\_\_**

**TREATMENT PLANT: City of Nashville NPDES PERMIT #AR0021776**

**AVERAGE POTW FLOW: \_\_\_\_\_ MGD % IU FLOW: \_\_\_\_\_%**

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/quarter				WQ level/ limit (µg/l) (2)	EFFLUENT DATES SAMPLED (µg/l) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
Antimony	N/A					N/A					60		
Cadmium	8.0					2.6					0.5		
Copper	115					14.9					0.5		
Lead	24					4.9					0.5		
Mercury	0.04					0.02					.005		
Nickel	291					169					0.5		
Selenium	14					7.2					5		
Silver	6.0					1.5					0.5		
Zinc	300					132					20		
Chromium	1000					467					10		
Cyanide	24					7.4					10		
Arsenic	100					377					0.5		
Molybdenum	200					N/A					--		
Phenols	N/A					N/A					5		
Beryllium	--										0.5		

Thallium	N/A					N/A					0.5		
Flow, MGD	N/A					N/A							
(3)													

(1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. **Analytical MQLs must be met for the effluent (and SHOULD be met for the influent) so the data can also be used for Local Limits assessment and NPDES application purposes.**

(2) This value was calculated during the development of TBL based on State WQ criteria, EPA guidance and either ADEQ Pretreatment staff Excel spreadsheets or the Permittee’s consultant with concurrence from Pretreatment staff.

(3) Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the concentration at which they were detected.

MAHL - Maximum Allowable Headworks Level / MAHC – Maximum Allowable Headworks Concentration

WQ - “Water Quality Levels not to exceed” OR actual permit limit.