

**From:** Hansen, Jeff <[jrhansen@lan-inc.com](mailto:jrhansen@lan-inc.com)>  
**Sent:** Monday, February 9, 2015 9:49 AM  
**To:** David Carrington  
**Cc:** eschiebold ([eschiebold@aol.com](mailto:eschiebold@aol.com))  
**Subject:** RE: EarthTec for taste and odor issues

Dave and/or Eric,

Couple more questions in addition to those below: You said the product is NSF certified, but is that NSF 61 certified? Has it been approved by the MDEQ for use in drinking water applications and is it being used in any drinking water plants in MI? If so, which?

Thanks,

**Jeffrey R. Hansen**  
 Senior Project Manager

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**From:** Hansen, Jeff  
**Sent:** Friday, February 06, 2015 11:19 AM  
**To:** 'David Carrington'  
**Cc:** eschiebold ([eschiebold@aol.com](mailto:eschiebold@aol.com))  
**Subject:** RE: EarthTec for taste and odor issues

Thanks for the data. We'll take a look at this.

Can you also give me an idea of cost and where Flint could buy it?

**Jeffrey R. Hansen**  
 Senior Project Manager



**Lockwood, Andrews  
& Newnam, Inc.**  
 A LEO A DALY COMPANY

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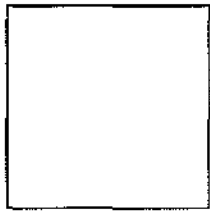
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**From:** David Carrington [<mailto:davidcarrington@earthsciencelabs.com>]  
**Sent:** Friday, February 06, 2015 11:03 AM  
**To:** Hansen, Jeff  
**Subject:** Fw: EarthTec for taste and odor issues

see below.

Dave Carrington  
 EarthTec Business Manager  
 469-371-7866

EarthTecQZ.com



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**From:** David Carrington  
**Sent:** Friday, February 6, 2015 9:53 AM  
**To:** eschiebold; [jhansen@lan-inc.com](mailto:jhansen@lan-inc.com)  
**Cc:** Allan Goldschmidt  
**Subject:** Re: EarthTec for taste and odor issues

Jeff-

- EarthTec is a liquid copper based product that has been used as a municipal water pretreatment chemical for the past 20 years.
- NSF Certified.
- We have hundreds of installations.
- It essentially reacts with algae and organics to improve the water quality coming in to the plant.
- There are no resulting dbp's with our product.
- The product is normally dosed at 1 ppm at the raw water intake and reacts with the water prior to the treatment plant.
- The copper is 100% cupric CU++ ions which are toxic and bioavailable. The actual copper level is only 60 ppb at 1 ppm.
- The product stays in solution indefinitely until it reacts based on water demand.
- Product has a negative charge and usually reduces the amount of coagulant required
- We have several plants running ozone. No adverse effects with any oxidant. Should be able to reduce ozone feed rates assuming EarthTec reduces the organic loading.

I have attached some general information for your review. Please feel free to contact me with any questions.

Thanks,

Dave Carrington  
EarthTec Business Manager  
469-371-7866  
EarthTecQZ.com

