



STATE OF IOWA

CHESTER J. CULVER, GOVERNOR
PATTY JUDGE, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
RICHARD A. LEOPOLD, DIRECTOR

October 21, 2010

CERTIFIED

Byron Harris, City Administrator
City of Shenandoah
500 W. Clarinda Avenue
PO Box 338
Shenandoah, IA 51601

SUBJECT: Air Quality Complaint No. 12348
City of Shenandoah Air Curtain Incinerator
Facility No: 73-01-026
Shenandoah, Page County, Iowa

Dear Mr. Harris:

As you know, on October 7, 2010, I investigated a complaint of smoke odor and particulate emissions from the city incinerator.

Note that the incinerator construction permit states "Except during startup, the opacity shall not exceed 10% on a six minute average. The opacity limit is 35% (on a 6-minute average) during the startup period that is within the first 30 minutes of operation. The opacity limits apply at all times except during malfunctions."

I recommend that personnel continue to operate the incinerator when conditions are favorable to surrounding property. The IDNR does not have rules to address odor complaints.

I will revisit after deflector repositioning to observe the unit during loading activities. If you have questions, please contact me at 712/243-1934.

Sincerely,

Holly Vandemark

Copy of Record

Holly Vandemark
Field Services & Compliance Bureau

HJV/AQ/Shenandoah100710.aq.incinerator complaint.doc

xc: Brian Hutchins, CAS, AQB, IDNR, Windsor Heights, Iowa
Jerry Scharp, Shenandoah Sanitation, 1207 W Ferguson RD, PO Box 6, Shenandoah, IA 51601
Complainant
Facility AQ File

SUSPENSE: 11-15-10 revisit

IOWA DEPARTMENT OF NATURAL RESOURCES
Report of Investigation

INVESTIGATION DATE: Current: 10-7-10

Last:

TO: Byron Harris, City Administrator
City of Shenandoah
500 W. Clarinda Avenue
PO Box 338
Shenandoah, IA 51601

RE: Air Quality Complaint No. 12348
City of Shenandoah Air Curtain Incinerator
Facility No: 73-01-026
Shenandoah, Page County, Iowa

On October 7, 2010, I initiated an investigation in response to a complaint of smoke odor and particulate emissions from the Shenandoah air curtain incinerator.

During my visit, I observed incinerator loading with fresh cut pine trees and trimmings; see Figures 1 and 2.

Figure 1



Figure 2



I spoke with Jerry Scharp, operator, who escorted me to the unit. The slight wind (<5 mph) from the S/SW was noted. I did not observe ash on the ground to the north or northeast of the unit. Emissions diminished within a few minutes of loading the green pine trees and trimmings. Upon departure, I obtained the photograph in Figure 3.

Figure 3



Shenandoah Incinerator Complaint

AQ Complaint No. 12348

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Mr. Scharp stated that he operates the incinerator when the wind is calm or from the south to avoid impacting neighbors. However; he said that the wind direction can switch unexpectedly.

I later spoke with Bo Harris, City Administrator, who discussed the issue with the vendor. They will reposition an air deflector to reduce emissions from the unit when loading.

Holly Vandemark

Inspector:

Copy of Record

10-21-10

Holly Vandemark

Reviewer:



10-21-10

Dan Stipe

Distribution: Field Office: Central Office: Responsible Party: Complainant:

Date Sent: 10/21/10

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