

orals
5-27-08

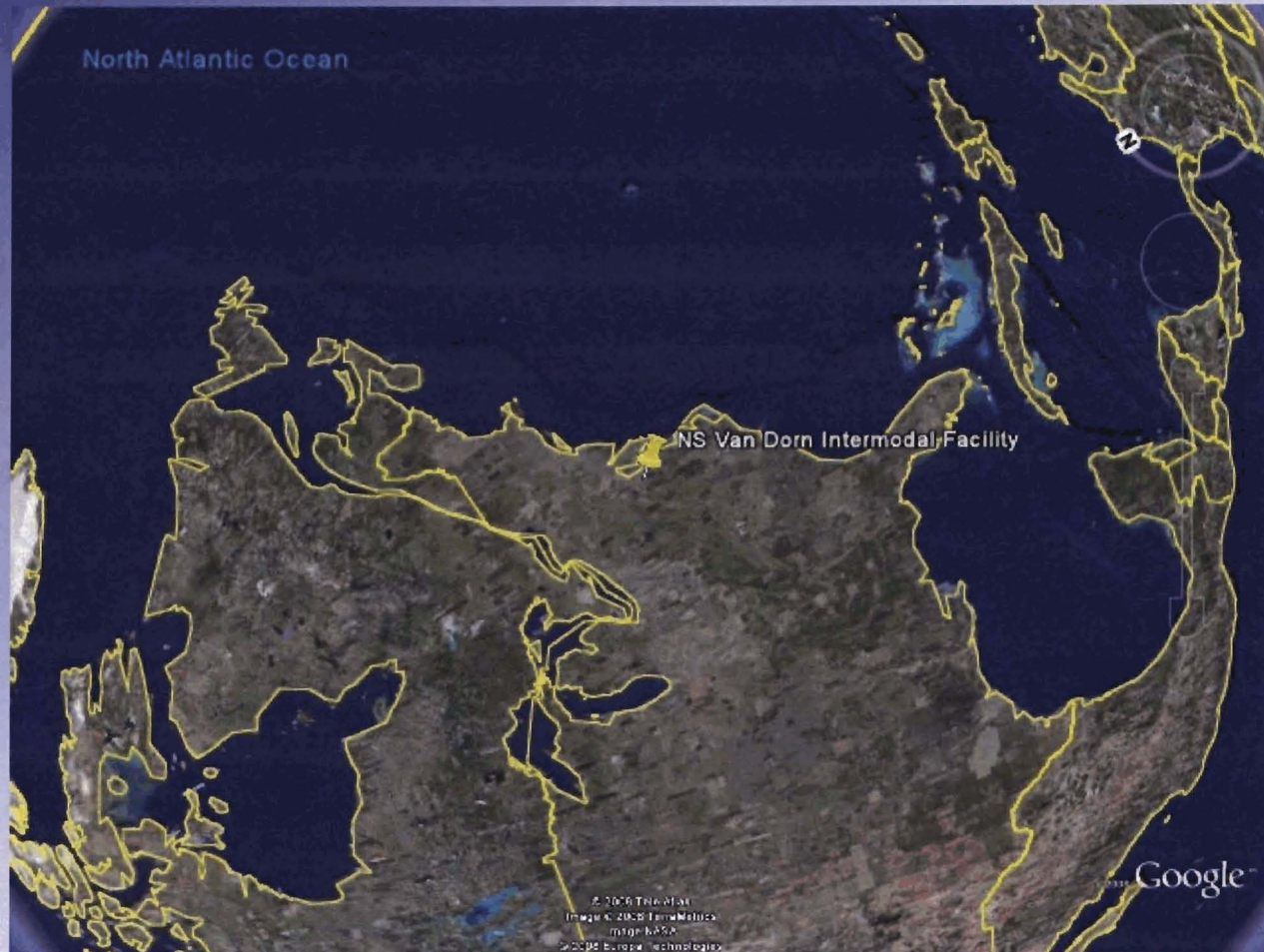
Ethanol Transloading

**City of Alexandria
Presentation to City Council
May 27, 2008**

Ethanol Transloading Presentation—May 27, 2008



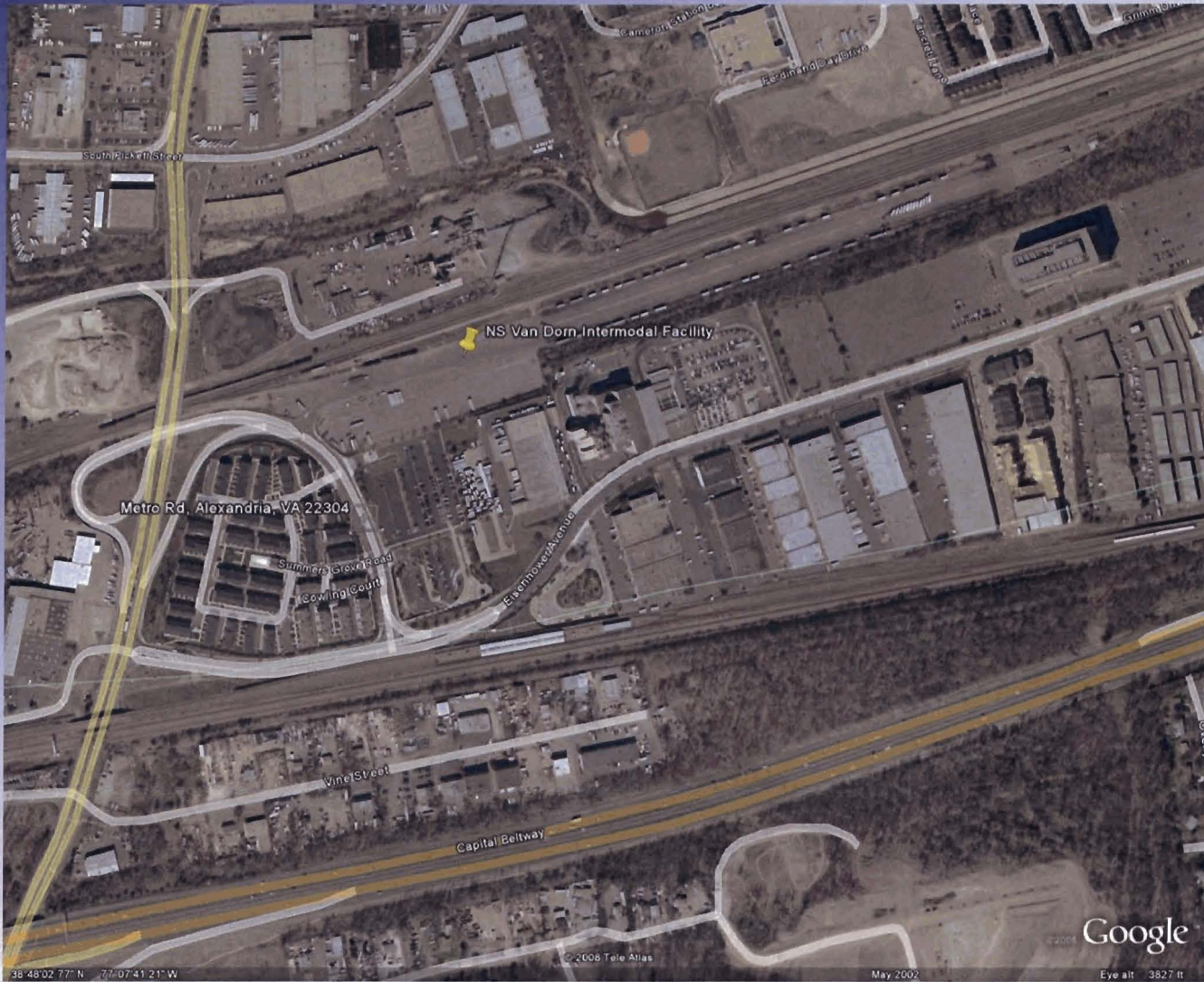
Site Overview



Ethanol Transloading Presentation—May 27, 2008



Site Map



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Facility Characteristics

- **Transloading track capacity**
 - 20 tankcars (additional cars on storage track)
 - ~29,000 gallons ethanol per tankcar
- **Spill containment area**
 - ~515,282 gallon capacity
- **Four fire hydrants**
- **Security fencing**
- **Knox Box rapid entry key system for emergency vehicle access**



Facility Characteristics

- Installed grounding/bonding equipment
- Climate-controlled storage shed on-site with 1,600 gallons of Alcohol Resistant Aqueous Film Forming Foam (AR-AFFF)
- Facility meets all requirements of Statewide Fire Prevention Code



Transloading



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Ethanol Characteristics

- Most commonly produced from corn in the United States
- Polar solvent
- Water soluble
- Flashpoint is -50 deg. F for E95
- Heavier than air (1.59 vapor density)
- Lighter than water (0.79 specific gravity)

Sources: Ethanol Emergency Response Coalition, 2008
Marathon Petroleum Institute, 2008

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Ethanol Characteristics

- **Wide flammable range**
 - 3.3% to 19% in air (NIOSH, 2008)
- **Denatured with ~5% gasoline for transport (E95)**
- **Blended with gasoline and used as motor fuel (E85)**
- **Greatest hazard is flammability**
 - Little or no smoke/flame produced in a fire



Emergency Scenarios

Leak

Spill

Fire

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Response Capability

- **Foam firefighting trailer**
 - 660 gallons AR-AFFF concentrate onboard
 - 1,000 gallon per minute (gpm) nozzle
- **Tow vehicle**
- **Leak/spill equipment**
 - Absorbents
 - Collection pools
 - Recovery drums
 - Atmospheric monitors
 - Recovery pump



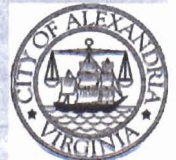
Response Capability

- **Additional AR-AFFF delivery equipment:**
 - Four in-line foam eductors (150 gpm flow)
 - Four air-aspirating foam nozzles



Response Capability

- **Hazardous Materials Response Team**
 - AFD, in partnership with Arlington County Fire Department (ACFD) and the Virginia Department of Emergency Management (VDEM), hosts the Northern Virginia Regional Hazmat Team
 - Minimum of three AFD hazmat technicians on-duty 24/7/365



Response Capability

- **Hazardous Materials Response Team**
 - Hazmat 202
 - Personal Protective Equipment
 - Computers and research
 - Leak control/containment
 - Spill recovery
 - Atmospheric monitoring
 - Support 202



Emergency Planning

- **Emergency management planning will be completed as part of the City's Comprehensive Emergency Management Plan (CEMP) development**
- **Homeland Security Threat Assessment is being conducted by AFD and APD**





John Pecic
<djwpecic@comcast.net>

05/27/2008 09:32 PM

Please respond to
John Pecic
<djwpecic@comcast.net>

To alexvamayor@aol.com, timothylovain@aol.com,
councilmangaines@aol.com, council@krupicka.com,
delpepper@aol.com, paulcsmedberg@aol.com,

cc

bcc

Subject COA Contact Us: Van Dorn Ethanol Transfers

city mgr
orals
5-27-08

Time: [Tue May 27, 2008 21:32:57] **IP Address:** [68.84.8.26]

Issue Type: Mayor, Vice Mayor, and Council Members
First Name: John
Last Name: Pecic
Street Address: 5821 Pearson Lane
City: Alexandria
State: VA
Zip: 22304
Phone: 703-823-7845
Email Address: djwpecic@comcast.net
Subject: Van Dorn Ethanol Transfers

Dear Mr. Mayor and City Council:

As President, Summer's Grove HOA,

unfortunately I could not attend tonight's Council meeting since I was not informed this subject was on the docket. However, I was able to watch the Council in action on this subject.

Summer's Grove HOA never heard of

this action until the City Manager's office forwarded a letter on May 15 about this fueling transfer. Until the City is convinced that the

Comments: operation is safe, we support your effort to shutdown Norfolk Southern's fueling transfer operation immediately.

We expect the City to keep a

close watch on their operation until this action is resolved.

Respectfully,
John Pecic, PhD
President, Summer's Grove

city manager
orals

5-27-08



Penny Waite
<Psmarrone@aol.com>

05/27/2008 05:25 PM

Please respond to
Penny Waite
<Psmarrone@aol.com>

To alexvamayor@aol.com, timothylovain@aol.com,
councilmangaines@aol.com, council@krupicka.com,
delpepper@aol.com, paulcsmedberg@aol.com,

cc

bcc

Subject COA Contact Us: Norfolk Southern arrangement

Time: [Tue May 27, 2008 17:25:49] IP Address: [64.12.117.77]

Issue Type: Mayor, Vice Mayor, and Council Members

First Name: Penny

Last Name: Waite

Street Address: 5233 Brawner Place

City: Alexandria

State: VA

Zip: 22304

Phone: 703-461-0250

Email Address: Psmarrone@aol.com

Subject: Norfolk Southern arrangement

Council: we have been insulted and dissed enough.
Do you wake up at

night wondering what next foul, oderous, dangerous, noisy, health reducing
event is taking place in proximity of your home? I do. It is time for
someone to be responsible for the irresponsible actions of Mgr. Hartman, and
the city staff. I do believe if serious corrective measures are not taken,
there will be plenty of people highly motivated in Cameron Station to get
the word out and hold the council responsible. Have you considered the
potential fire danger, and the inability for sufficient fire protection in

Comments:

such a possible conflagration, particularly with the impossible traffic
situation on Van Dorn? And have just one of you had to drive home within
the past month, i.e. East on 495 to Van Dorn where I discovered much to my
surprise on more than one occasion, the traffic spewing out lining up on
495 from the backup on Van Dorn? Additional tanker trucks? Are you
kidding me? I am not just a concerned and irritated tax payer anymore. I am
amongst the growing chorus of voices motivated politically to confront your

dissing of the West End. My husband has bacterial pneumonia, or we would
both be there tonight. Penny Waite

city mgr
orals

5-27-08



Andy Pohl
<andynta@yahoo.com>

05/28/2008 12:55 PM

Please respond to
Andy Pohl
<andynta@yahoo.com>

To alexvamayor@aol.com, timothylovain@aol.com,
councilmangaines@aol.com, council@krupicka.com,
delpepper@aol.com, paulcsmedberg@aol.com,

cc

bcc

Subject COA Contact Us: Norfolk Southern - ethanol

Time: [Wed May 28, 2008 12:55:04] IP Address: [68.83.211.203]

Issue Type: Mayor, Vice Mayor, and Council Members

First Name: Andy

Last Name: Pohl

Street Address: 203 Yoakum Pkwy #1204

City: Alexandria

State: VA

Zip: 22304

Phone: 703-370-9055

Email Address: andynta@yahoo.com

Subject: Norfolk Southern - ethanol

I live within sight of the new Norfolk Southern facility for transferring ethanol from trains to tankers.

After watching the City council meeting

last night, I agree this is an inappropriate use of this property.

I

Comments: agree with just about everything the council said last night. The only additional info that might have helped would be to know exactly where the tankers take the ethanol. Is this the most "efficient" place for Norfolk Southern to have this facility?
Please do whatever you can to remove this facility from our city.

city mgr
orals
5-27-08



<tyler566@hotmail.com>

05/29/2008 11:36 PM

Please respond to
<tyler566@hotmail.com>

To alexvamayor@aol.com, timothylovain@aol.com,
councilmangaines@aol.com, council@krupicka.com,
delpepper@aol.com, paulcsmedberg@aol.com,

cc

bcc

Subject COA Contact Us:



Time: [Thu May 29, 2008 23:36:12] IP Address: [69.143.57.204]

Issue Type: Mayor, Vice Mayor, and Council Members

First Name:

Last Name:

Street Address:

City:

State:

Zip:

Phone:

Email Address: tyler566@hotmail.com

Subject:

It has come to my attention that the rail yard at Van dorn has become a fuel depot for the Northern railroad company. They are transferring ethanol fuel to trailer trucks that is very explosive and is invisible when it

Comments: burns. I am concerned of an explosion. I am looking into the issue and contacting EPA to have them take a look at the problem. Just thought I would let you know.

Concerned Virginian