



AkzoNobel
Tomorrow's Answers Today

December 8, 2009

re: Docket PG-090043

David Lykken
Acting Pipeline Safety Director
Washington Utilities and Transportation Commission
1300 S. Evergreen Park Dr. SW
Olympia WA, 98504-7250

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GENERAL MANAGER
2009 DEC 10 AM 10:14
STATE OF WASH
UTILITY AND TRANSPORTATION

Dear Mr. Lykken:

Please find attached the AkzoNobel response to the 2009 Hydrogen Pipeline Standard Inspection, Docket PG-090043.

Should you have any questions please do not hesitate to contact us directly.

Sincerely,

Calvin Greene
Plant Manager
AkzoNobel, Moses Lake

cc Cosentino Consulting Inc.
Pipeline facility files

**Response to Akzo Nobel Moses Lake 2009 Hydrogen Pipeline Safety Inspection
Docket PG-090043**

1. 49 CFR §192.614 Damage Prevention Program

49 CFR §192.614 (c) (1) states that the damage prevention program required by this section must at a minimum include the identity, on a current basis of persons who normally engage in excavation activities in the area in which the pipeline is located.

Finding(s):

A list of excavators could not be found. Though there was a mailing list presented for public awareness mailings, this list identified some landscapers but local excavators and contractors were not noted on the list.

Response:

A pipeline specific list of excavators, landscapers and contractors has been developed, see attachment 1. The document is also available at the facility for inspection.

2. 49 CFR §192.616 Public Awareness

49 CFR 192.616(d) states the operator's public awareness program must specifically include provisions to educate the public. Appropriate governmental organizations and persons engaged in excavation related activities on:

- 1. Use of one call notification system prior to excavation and other damage prevention activities;*
- 2. Possible hazards associated with unintended releases from hydrogen pipeline facility;*
- 3. Physical indications that such a release may have occurred;*
- 4. Steps that should be taken for public safety in the event of a pipeline release; and*
- 5. Procedures for reporting such an event.*

Finding(s):

Akzo Nobel public information was mailed to the identified audience, however, the information sent did not include the items described in 49 CFR §192.616(d).

Response:

A pipeline specific public information mailer has been developed, see attachment 2. The document is also available at the facility for inspection. The 2009 distribution will occur prior to December 31, 2009

3. 49 CFR §192.605 Procedural Manual for Operations, Maintenance and Emergencies

49 CFR §192.605(b)(1) states that the manual required must include procedures for the following, if applicable, to provide safety during maintenance and operations.

(1) Operating, maintaining and repairing the pipeline in accordance with the requirements of this section.

49 CFR 192.615(b) (2) requires that operators train appropriate operating personnel to assure that they are knowledgeable of the emergency procedures and verify that the training is effective.

Finding(s):

Emergency procedures did not address the assurance of emergency procedure knowledge of personnel and verification that training is effectiveness.

Response:

The process to assess emergency procedure knowledge and verify training effectiveness is contained in the facility Emergency Response Manual, Annex 6, Section 2 and Emergency Response Manual, Section 2, Element 4, Part E, Subparts 1&2. These portions of the Emergency Response Manual are available as attachment 3

4. 49 CFR §192.60S Procedural Manual for Operations, Maintenance and Emergencies

49 CFR §192.605(b)(1) states that the manual required must include procedures for the following, if applicable, to provide safety during maintenance and operations.

(1) Operating, maintaining and repairing the pipeline in accordance with the requirements of this section.

49 CFR §192.615(b) (3) requires that employee activities are reviewed to determine whether procedures were effectively followed in each emergency.

Finding(s):

Emergency procedures did not address need to review employee activities to determine whether procedures were effectively followed.

Response:

The requirement to review employee activities to determine if procedures were effectively followed during each emergency are contained in the facility Emergency Response Manual, Section 2, Element 4, Part E, Subparts 1&2. This portion of the Emergency Response Manual are available as attachment 4

5. 49 CFR §192.60S Procedural Manual for Operations, Maintenance and Emergencies

49 CFR §192.605(b)(1) states that the manual required must include procedures for the following, if applicable, to provide safety during maintenance and operations.

(1) Operating, maintaining and repairing the pipeline in accordance with the requirements of this section.

49 CFR §192. 615(c) requires that each operator establish and maintain liaison with appropriate fire, police, and other public officials to learn the responsibility and resources of each government organization that may respond to a gas emergency, acquaint the officials with the operators ability in responding to a gas pipeline emergency, identify the types of gas pipeline emergencies of which the operator notifies the officials and plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property.

Finding(s):

Procedures to maintain emergency official liaison were not found in company procedures.

Response:

The requirement to maintain emergency official liaison is contained in the facility Emergency Response Manual, Section 1 and Emergency Response Manual Section 9. These portions of the Emergency Response Manual are available as attachment 5.

6. 49 CFR &199.202 Alcohol Misuse Plan

Each operator must maintain and follow a written alcohol misuse plan that conforms to the requirements of this part and DOT procedures concerning alcohol testing programs. The plan shall contain methods and procedures for compliance with all the requirements of this subpart. Including required testing, recordkeeping, reporting, education and training elements.

Finding(s):

A review of Akzo Nobel's Drug and Alcohol use policies revealed missing items than need to be included in a written plan or policy, adopted and implemented.

Response:

The Akzo Nobel personnel involved in pipeline O&M activities will be placed in a separate Alcohol misuse plan provided by a specialist testing provider specializing in these services. The implementation of this program is anticipated to be complete by April 2010 The plan will be available for review at the Akzo Nobel facility after this date.

7. 49 CFR §199.101 Anti-drug Plan

Each operator shall maintain and follow a written anti-drug plan that conforms to the requirements of this part and the DOT procedures. The plan must contain methods and procedures for compliance with all the requirements of this part, including the employee assistance program.

Finding(s):

A review of Akzo Nobel's Drug and Alcohol use policies revealed missing items than need to be included in a written plan or policy.

Response:

The Akzo Nobel personnel involved in pipeline O&M activities will be placed in a separate Alcohol anti drug plan provided by a specialist testing provider specializing in these services. The implementation of this program is anticipated to be complete by April 2010 The plan will be available for review at the Akzo Nobel facility after this date.

ATTACHMENT 1

AKZO NOBEL MOSES LAKE MAILING LIST
 Revised December 1, 2009

Letter	Handbook	Name	ATTN	P.O. Box	Street	City	State	Zip
x		Advanced Excavation		1278		Moses Lake	WA	98837
x		Americold Logistics	Brad Kocan	399	3245 Road "N" N.E.	Moses Lake	WA	98837
x		Basin Asphalt Co.			5278 Highway 17 North	Moses Lake	WA	98837
x		Basin Excavation			10158 Kinder Rd.	Moses Lake	WA	98837
x		Basin Septic Tank Service			2035 Hamilton 127 North	Moses Lake	WA	98837
x		Bent Creek Construction			4562 Road "N" N.E.	Moses Lake	WA	98837
x		Cascade Natural Gas			406 Lasco Line	Moses Lake	WA	98837
x	x	Central of Moses Lake fire Dept.	Tom Taylor		701 3rd Ave. N.E.	Moses Lake	WA	98837
x		Central Washington Asphalt			843 Kittleson Road	Moses Lake	WA	98837
x		Central Washington Concrete			5278 Highway 17 North	Moses Lake	WA	98837
x		Columbia Basin Railroad	Beth Mortensen		111 South 33rd Street, Suite 200	Yakima	WA	98901
x		Columbia Basin Railroad	Scott Williams		112 South 33rd Street, Suite 200	Yakima	WA	98901
x		D & L Foundry, Inc.	Joe Wiberg		12970 Road "3" N.E.	Moses Lake	WA	98837
x		Desert Rock Excavation Inc.		656		Moses Lake	WA	98837
x		DSV Landscaping			1218 Road "L" N.E.	Moses Lake	WA	98837
x		Edwards Nursery			11230 Nelson Rd. N.E.	Moses Lake	WA	98837
x	x	Grant county #5 Fire District	Roger Hansen		11058 Nelson Road N.E.	Moses Lake	WA	98837
x		Grant County Commissioners	Leroy Allison	37, Rm 207		Moses Lake	WA	98823
x		Grant County Emergency Service	Sam Lorenz		1525 East Wheeler Road	Moses Lake	WA	98837
x		Grant County Road District #2			12171 Rd. "3" N.E.	Moses Lake	WA	98837
x		Hilmes Construction Inc.			1716 S. Broadway Ave	Othello	WA	99344
x		Inwin Electric LLC			1301 E. Wheeler Rd.	Moses Lake	WA	98837
x		J & M Electric Inc.			500 S. Lasco	Moses Lake	WA	98837
x		J. R. Siplot Co-Food Div.	Steve Hennig		14124 Wheeler Road N.E.	Moses Lake	WA	98837
x		Lad Irrigation			1030 E. Broadway Ext.	Moses Lake	WA	98837
x		Legacy Construction Group, Inc.			3449 Lasco Lane N.E.	Moses Lake	WA	98837
x		McKay seed Company	Don Sloan		2945 Road "N" N.E.	Moses Lake	WA	98837
x		Moses Lake Business Association	Sally Goodwin	1201		Moses Lake	WA	98837
x		Moses Lake City Hall	City Council Member & Mayor		321 S. Balsam	Moses Lake	WA	98837
x	x	Moses Lake Fire Department			321 S. Balsam	Moses Lake	WA	98837
x	x	Moses Lake Police Dept.	Dean Mitchell	1579		Moses Lake	WA	98837
x		Norco ASU Plant	Sean Welch		2757 Road "N" N.E.	Moses Lake	WA	98837
x		North Central Construction			13184 wheeler RD NE	Moses	WA	98837
x		Oftmar Construction Inc.			E. Broadway Extended	Moses Lake	WA	98837
x		Pegram Construction Inc.			13 w. Moon ST.	Othello	WA	99344
x	x	Washington State Patrol			101 Laguna	Moses Lake	WA	98837

ATTACHMENT 2

**AkzoNobel**

Tomorrow's Answers Today

December 2009

Akzo Nobel owns and operates a hydrogen gas pipeline in Grant County, Washington. The pipeline begins at the Akzo Nobel Facility located on Road N in Moses Lake Washington and is mainly located on a private right of way between the Akzo facility and the Simplot Food Group facility plant site located on Wheeler Road. A map of the pipeline route is on the reverse side of this letter. This mailing has been sent to you as part of the Akzo Nobel public education program, as required by State of Washington and United States Department of Transportation pipeline safety regulations. Your property is located adjacent to or near the Akzo Nobel pipeline or you are a contractor performing work in the Moses Lake area. The location of the Akzo Nobel pipeline, and that of other pipelines in the United States, is identified by various means. The Akzo Nobel pipeline location is generally identified by yellow fiberglass stakes containing the words "Warning" or "Caution" followed by "Hydrogen Gas Pipeline" and a telephone number to call for more information. The primary cause of damage to pipelines in the United States is due to third party damage. Accordingly, the State of Washington requires ANYONE PERFORMING EXCAVATION, which could mean performing work as complicated as installing new utilities or as simple as tilling for a new garden, MUST CONTACT THE LOCAL ONE-CALL SERVICE FOR A PIPELINE LOCATE.

48 HOURS BEFORE YOU EXCAVATE, AUGUR, GRADE, TRENCH, OR BLAST, Contact the Washington State One Call Center at 800-424-5555 and request that any pipelines or other utilities on your property be located before you begin work. There is NO COST TO YOU for this service.

How do I recognize a pipeline leak?

1. **By Sight:** Any of the following could indicate a pipeline leak - dirt being blown into the air, water bubbling or being blown in the air, fire coming from the ground or appearing to burn above the ground, dead or dying vegetation in an otherwise green area, a dry spot in an otherwise moist field.
2. **By Sound:** A roaring, blowing, or hissing sound could indicate a pipeline leak.

What do I do if I think that I have detected a pipeline leak?

CAUTION Hydrogen is colorless, odorless, and flammable

1. Turn off and abandon any motorized equipment you may be operating.
2. Leave the area quickly on foot.
3. Do not light a match, start an engine, use a telephone, switch on/off light switches or do anything that may create a spark.
4. From a safe location, **call 911** with information about the suspected leak.
5. Warn others.
6. Do not drive or walk back into the suspected leak area until emergency response personnel have determined that the area is safe.

If you have any questions concerning the Akzo Nobel Hydrogen gas pipeline, please contact the Akzo Nobel Pipeline Manager at (509) 765-6400 extension 502

ATTACHMENT 3

The following text which appears on page 70 of the facility Emergency Response Manual, will be revised by adding the underlined wording to section 2.

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2. EXERCISES/DRILL:

The Moses Lake site shall conduct a minimum of one exercise/drill annually. The exercise/drill may take place in the form of a tabletop exercise where response personnel from the plant simulate an emergency response based on the most likely scenarios identified in the plan. The exercise/drill may take place as an assembly drill that activates the plants emergency notification system where personnel are expected to assemble in their defined assembly locations. The exercise/drill may take place in the form of a unified response action with industrial neighbors, local emergency services, and Grant County Emergency Management Department personnel. Whatever the type of event or simulation there shall be written documentation clearly describing the exercise/drill.

A critique will be he conducted the conclusion of the exercise/drill to verify emergency procedure knowledge and confirm that training is effectiveness.

An actual event that develops at the plant shall be considered the annual exercise/drill for the year that it occurred. Evidence of the event must be documented.

ATTACHMENT 4

The following text which appears on page 21 of the facility Emergency Response Manual, will be revised by adding the underlined wording to the critique section.

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2. Critique:

The critique of the incident is basically a review of what actions took place during the incident, both positive and negative. A critique is not designed to place blame, but rather to allow for the flow of ideas and recommendations to improve the emergency action plan and facility policies and procedures. Determining if procedures were followed and their effectiveness is valuable feedback in the improvement process. The incident critique and method of critique is the responsibility of the Incident Commander.

ATTACHMENT 5

The following text which appears on page 65 of the facility Emergency Response Manual, will be revised by adding the underlined wording to Annex 9.

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Annex 9
Regulatory Compliance and Cross References

Eka Chemicals has taken the preceding steps to complete our program designed to respond to emergency incidents which may harm workers, the community, or the surrounding environment.

Eka Chemicals has established and maintains liaison with fire, police, and other public officials to learn the responsibility and resources of each government organization that may respond to a facility emergency, acquaint the officials with the Eka's ability in responding to a facility emergency, identify the types of emergencies of which Eka notifies the officials and plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property.

This is accomplished by membership in the Grant County Local Emergency Planning Committee (LEPC) and attending monthly LEPC meetings.

Eka Chemicals has provided copies of the contingency plan to the following emergency response agencies: