

General Environmental Incident Summary

Incident: 8147 **Notice:** 7/9/2019 1400 **Occurred:** 7/8/2019 1400

DEM Incident No:

No Further Action:

Responsible Party: Asphalt Surface Technologies, Inc. (ASTECH)

County: Mercer

Twp Rng Sec Qtr: 144 86 7

Lat Long + Method: 47.30173 -101.62810 Interpolation from map

Location Description: Located at the box culvert that runs east and west across 3rd Ave NW approximately 300' North of Highway 200

Submitted By Info: Jon Schroeder
Moore Engineering, Inc.
2911 N. 14th St.
Bismarck ND

Received By Info:

Contact Info: Corey Feld
PO Box 1025
St. Cloud MN 56302

Affected Medium: 04 - water and soil

Near. Occupied Bldg: 500 Feet

Type of Incident: Asphalt emulsion washed off roadway during heavy rainfall

Release Contained: Yes

Reported to NRC: No

Contaminant: Asphalt Emulsion CRS-2P

Volume of Release:

Duration of Release: 2 hours

Agriculture Related: No

EPA Extremely Hazardous Substance: No

Number of Fatalities: 0

Number of Injuries: 0

Cause of Incident:

Asphalt emulsion (CRS-2P) was placed for chip sealing. The emulsion and chips were placed approx. 35 minutes prior to the rainfall. Rainfall accumulation 1.62" in approx. 2 hours. This heavy rainfall carried the asphalt emulsion down the curb and gutter and ultimately into catch basins and ditches. Small amounts were observed going into Antelope Creek.

Risk Evaluation:

Possible effects to Antelope Creek.

Potential Env. Impacts:

Small amounts of emulsion entered Antelope Creek which connects to the Knife River.

Action Taken/Planned:

NDDoH was called to verify plan of action. ASTECH (contractor) brought in extra workers to clean up as much as possible in the curb and gutter. The emulsion in the ditches settled out and the larger chunks are being cleaned out and will be properly disposed of. Braun Intertec as contacted to take water and sediment samples from Antelope Creek to verify whether or not there is an issue in the creek.

Wastes Disposal Location:

At an approved landfill for hazardous material.

Other Agencies Involved:

Local Emergency Manager

Updates

Date: 7/9/2019 **Status:** Reviewed - Follow-up Required

Author: DeVries, Taylor

Notes:

According to the incident report, the release of asphalt emulsion was not contained. Further follow-up is needed.

Updated Volume: None at the time of this update

Date: 7/16/2019 **Status:** Inspection

Author: Martin, Russell

Notes:

7/12/2019 at 17:29, on location. Emulsion appears to have travelled down 2nd Ave NW along a concrete drainpath in the middle of the road before crossing 10th St NW and running along the concrete shoulder of 10th St NW. Before entering 3rd Ave NW, the box culvert mentioned in the report drains stormwater through a grassy embankment and down into a side channel of antelope creek. Currently only standing water in the side channel, along with thick vegetation and rocks for erosion control. Grassy embankment has been cut and scraped, vegetation in side channel has also been cut. No evidence of emulsion in either place, lifted off grating to box culvert and found no evidence that emulsion had collected in the culvert. However, sidewalk that runs parallel to the shoulder of 10th St NW, has a number of blobs of emulsion on it, presumably washed up during the rain event. Discussed matter with report submitter. Also mentioned concern should rock chips be mobilized due to lack of sealant washing into creek. According to report submitter, they will be monitoring the road to make sure the road surface does not decay due to the incident. Further follow-up dependant on lab results taken by Braun.

Updated Volume: None at the time of this update

Date: 5/7/2020 **Status:** Correspondence - More Follow-up Required

Author: Kaiser, Don

Notes:

Emailed company for status incident updates.

Updated Volume: None at the time of this update

Date: 7/20/2020 **Status:** Inspection - No Action Required

Author: Suess, Bill

Notes:

Inspected the site on 7/20/2020. Observed the low path from 2nd to 3rd Ave along 10th Street. Inspected all culverts, paved surfaces, grassy areas and the creek itself. No adverse environmental impacts associated with this incident were observed. The vegetation appeared healthy and consistent with the surrounding area. No further action is warranted.

Updated Volume: None at the time of this update

Date: 8/24/2020 **Status:** Inspection - No Action Required

Author: Martin, Russell

Notes:

8/22/2020 at 9:26, on location. Additional inspection to supplement previous inspection. Area between box culvert and creek is revegetated, no visible impact remaining in grass. Some blobs still visible on sidewalk, however it appears a similar material is used to seal cracks in the sidewalk, so no adverse effect is expected. No further follow-up required.

Updated Volume: None at the time of this update