

## **SCAT Survey**

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**MDEQ Staff: Tyler Hardy, Kevin Posey, Chip Bray**

### **Moon-Hines Flowline Spill**

The SCAT team conducted a survey from the source, which is a leaking underground pipe (31° 45' 12" N 88° 51' 6" W), to the end where the spill was contained (37.76157 N 88.85402 W) from approximately 1400 to 1645. The oil appeared to be heavy, viscous, and black in color.

The SCAT team followed the oil from the source downstream to an access road. Once at the access road, the oil was pooled at a collection point via an underflow dam (Photo 4). The underflow dam discharged to a culvert that went under the access road (Photo 6). Once on the other side of the road, the oil followed a ditch channel. In the ditch channel, there was oiled vegetation, portions of pooled oil, and oiled bank and soil. In this area, there were crews using oil gator, absorbent pads, and oil snares to collect the oil. The crews were also raking vegetation and placing it in bags. From 31.75397 N 88.85132 W until 31.75555 N 88.85078 W, the oil relatively stayed along the ditch area with most of the coverage being in a 5 yard band and some coverage up to a 20 yard band (Photo 7 – Photo 15).

At 31.75571 N 88.85072, the oil reached a bottom with a small, shallow ditch (Photo 16). At this point, the oil spread out into a larger band (approximately 50 yards) because the ditch did not have the capacity to carry the oil and the grade of the terrain was relatively flat. The band included oiled vegetation on the ground and some pooled oil in the shallow ditch and low natural collection places in the terrain. At 31.75604 N 88.85073, there is a collection point for collected oil. At this location, there is also a vacuum truck that is vacuuming the pooled oil from the small ditch (Photo 18). From 31.75604 N 88.85073 to 31.75834 N 88.85136 W, the crews were using the same techniques in this area for clean-up as they were in the previous section with the addition of sock boom and hay (Photo 19 – Photo 24).

At 31.75834 N 88.85136 W, there was a crew cutting access to get to last control, where the oil is contained, in order to be able to get the equipment needed to recover the collected oil (Photo 25). From 31.75834 N 88.85136 W to 31.76157 N 88.85402 W, there were no recovery operations due to the limited access (Photo 26 – Photo 34). The terrain remained a relatively flat bottom and the oil was observed in the same approximate 50 yard band. The final control was at 31.76087 N 88.85349 W which is a hard and sock boom to collect the oil. No oil was observed past this section of boom. At 31.76157 N 88.85402 W, there was a beaver dam which had water backed up.

At 1700, there was an afternoon meeting which included EPA, Coast Guard, County EMA, MDEQ, Contract Clean-up Personnel, and Responsible Party Representative. The SCAT team and the contractor agreed that the recommended clean-up process, due to the threat of a rain event, is to recover as much of the pooled oil as possible with oil snares, absorbent rags, and

vacuum trucks and to arrange snares and sock boom close to the final control to collect the oil. The raking and bagging of oiled vegetation and the use of oil gator on dry ground will also continue. It was also discussed that another SCAT assessment should be conducted after the first phase of clean-up is completed (approximately four (4) days).

Chip Bray, MDEQ Biologist, conduct a wildlife impact assessment during the SCAT survey. Mr. Bray's assessment was that no major impact to flora or fauna was observed. Mr. Bray would discuss his finding with the appropriate agencies.

#### Photos

**Photo 1: Pipe Break**



**Photo 2: Pipe Break**



**Photo 3: Down Stream of Release**



**Photo 4: Underflow**



**Photo 5: Roll-off Staging Area**



**Photo 6: Culvert**



**Photo 7: Underflow**



**Photo 8: Absorbent Pads**



**Photo 9: Absorbent Pads**



**Photo 10: Raking of Oiled Vegetation**





**Photo 11: Pooled Oil**



**Photo 12: Oil in Ditch**



**Photo 13: Underflow & Vacuum**



**Photo 14: Undisturbed Oiled Vegetation**



**Photo 15: Pooled Oil**



**Photo 16: Start of Bottom**





**Photo 17: 50 Yard Band**



**Photo 18: Debris Staging Area**



**Photo 19: Oiled Soil**



**Photo 20: Travel Area**



**Photo 21: Snares and Absorbent Rag**



**Photo 22: Sock Boom**





**Photo 23: Hay**



**Photo 24: Pooled Oil**



**Photo 25: Pooled Oil**



**Photo 26: Pooled Oil/Cutting End**



**Photo 27: Undisturbed Oiling**



**Photo 28: Pooled Oil**





**Photo 29: Pooled Oil**



**Photo 30: Oiling in Ditch**



**Photo 31: Emulsified Oil**



**Photo 32: Pooled Oil**



**Photo 33: Last Control**



**Photo 34: Beaver Dam**

