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**RESPONSES TO OEPA COMMENTS
~~TO RESPONSES TO OEPA COMMENTS ON THE~~
INTEGRATED ENVIRONMENTAL
MONITORING STATUS REPORT FOR
SECOND QUARTER 1999**

**FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO**

MARCH 2000

U.S. DEPARTMENT OF ENERGY

Response: DOE believes that enough deep direct-push sampling data were collected over the course of the re-injection demonstration to document that the uranium contamination was not migrating beneath the re-injection wells. This information will be published in the final report for the re-injection demonstration, which is scheduled for issue to the agencies on June 30, 2000. DOE requests that OEPA defer this comment to that report.

Action: No action required.

3. Commenting Organization: OEPA Commentor: DSW
Section #: 4.0 Pg. #: 4.3 Line #: 5-11 Code: C
Original Comment # 21

Comment: It is agreed that an intense storm could cause turbidity, however the turbidity from the site should not exceed ambient turbidity in Paddys Run. This was the reason for having field inspections after rain events.

- DOES' response was, that three days later turbid conditions were no longer present and no further action was required is unacceptable. There wasn't any rain in the intervening time and it is intuitively obvious that turbid conditions will abate. The SWPPP calls for inspections of sediment controls after a precipitation event of at least 0.5 inches and the purpose of sections Appendix D.2.1 and D.3 are to protect the habitat of Sloan's Crayfish from excessive sediment loads from site activity. To say it stopped raining so the turbidity dropped is unacceptable. If the turbidity from the site exceeds that of Paddys Run, it is expected that an investigation of the cause and report of the findings and corrective actions will follow.
- Your meteorological data submitted to us does not support the statement that "more than one inch of rain fell within a one hour period" in your response. The largest hourly rainfall on April 9 is 0.60-inch at 4 A.M.
- The statement that the increased turbidity could have been caused by runoff through exposed cut banks is speculative. Paddys Run also has exposed cut banks. The increased turbidity from the site could also have been caused by failed sediment controls, newly disturbed soils, or a myriad of other conditions. As stated above, the cause needs to be investigated, reported, and corrected. The turbidity from the site should not exceed ambient turbidity in Paddys Run

Response: In response to bulleted issues #1 and #3, DOE agrees that the cause of the increased turbidity requires investigation and, if possible, correction. However, there does not appear to be an obvious cause for the increase. The northern drainage area was field inspected after snowmelt occurred in February 2000. The following are findings of this survey:

- A large area bounded on the south by the rail yard, the north by an access road, on the east by the on-site disposal facility, and the west by the former fire training facility has not been stabilized. This area has previously been used for heavy equipment training and practice. However, this area is very flat and the down gradient area is controlled by a silt fence. Drainage features down gradient of this area do not show signs of excessive sedimentation.
- Check dams within the contributory drainage channels appear to be functioning. There is no excessive vegetation or debris accumulation compromising their function. Erosion of these ditches does not appear to be occurring.

