

Ohio Environmental Protection Agency (OEPA)

And

Ravenna Army Ammunition Plant (RVAAP)

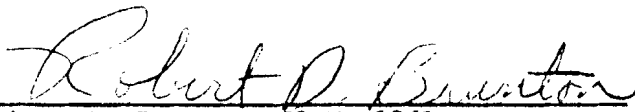
1983 Correspondences

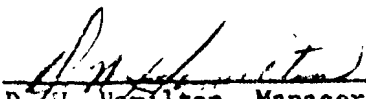
STATEMENT MADE TO ME BY MR. R. D. BRUNTON, CLOCK NO 1861 - February 11, 1983

SUBJECT: FUEL OIL SPILL

On January 19, 1983, I was assigned the duties of refilling all oil storage tanks at operating Powerhouses and Water Works and Load Lines. Arriving at Waterworks #3 I started filling the storage tank at the emergency generator by inserting nozzle into tank and setting it on slow flow knowing that when it become full, it would shut itself off. I then went into the Waterworks building. When I returned outside to the tank, I noticed that it was over flowing plus oil was being forced out from the gasket at the pressure plate on the nozzle assembly. The four screws holding the plate in place had worked loose causing oil to be sprayed into the air. Unable to shut off the flow of oil at the nozzle end, I then had to go to truck to shut off the pump. I then became concerned about the large area of oil on top of the snow, so I used a shovel and pushed the snow and ice towards the roadway so that the snow plow could remove it from the area. Upon returning to Building 1034, I told Mr. L. L. Wolfgang that I splashed some oil on my clothes due to the bad nozzle and the need to repair or replace it. I personally felt that there was not a lot of fuel oil dropped.

"I have read this statement and agree that this is how the spill happened."


Robert D. Brunton, Cl No 1861



D. W. Hamilton, Manager
Stores & Transportation Div.

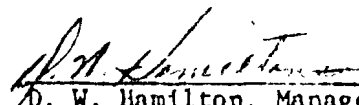
STATEMENT MADE TO ME BY MR. L. C. BOGGS, CLOCL NO. 1700 February 12, 1983

SUBJECT: Fuel Oil Spill

On January 19, 1983, I heard R. D. Brunton, Clock No 1861, relate to L. L. Wolfgang, he had been splashed with fuel oil. He said nozzle on the hose had come loose and fuel was spraying out. He did not indicate that there had been a large quantity spilled.

"I have read this statement and agree it is correct"


Larry C. Boggs, Cl No. 1700


D. W. Hamilton, Manager
Stores & Transportation Div.

February 14, 1983

INDUSTRIAL RELATIONS

D. W. HAMILTON

CONTAMINATED WATER

Statements from Mr. R. D. Brunton, Clock No 1861 and L. C. Boggs, Clock No. 1700 are attached.

Due to the contaminated water at Ravenna Arsenal which occurred on Sunday February 6, 1983, a complete investigation was launched.

It was found that oil had gotten into the water supply at some point within the boundaries of Ravenna Arsenal. After checking several possible areas, it was established the point of entry was Water Works #3. It was also discovered that #2 fuel oil had spilled. Approximately 200 gallons of oil had been spilled at Water Works #3 on January 19, 1983, almost two weeks earlier, which was not reported. This time lapse allowed the oil to flow into the water supply.

The record of oil deliveries which is maintained by the Stores & Transportation Dept was checked and was determined Mr. R. D. Brunton, Clock No 1861 had made delivery, on January 19, 1983. Statement attached wherein he admits making delivery and also the fact that a spill did take place.

Attached to the tank is a sign explaining, that should a spill occur, a call should be made to report it and telephone numbers were listed to call. A complete and updated S.O.P. was available in the Transportation Supervisor's Office, which explained who to call, what to do, and equipment to be used to expedite a clean up.

It is my opinion Mr. R. D. Brunton was negligent in carrying out his assigned duties:

1. He failed to stay with the truck while fuel was dispensed
2. He failed to report to his supervisor (Mr. L. L. Wolfgang) the magnitude of the oil spill.
3. He charged approximately 200 gallon of #3 fuel oil to Water Works #3 that they did not receive.
4. He was responsible for expenditures of \$3,521.00 , the total cost for the clean up of the water system.
5. He ignored published procedures.

Spills of this nature are expensive and considered money wasted. This expense could have been avoided had the spillage been reported when it happened and the procedure followed as outlined.

It is not Management's intent to discourage voluntary information on this type of incident but to encourage employees to volunteer information, so we at Ravenna Arsenal, Inc. may operate in a more efficient manner. This allow us to be more competitive with other Arsenals when bidding for other business. We can only do this when all employees pull together toward one goal to help keep our cost down.

Mr. Brunton has had this responsibility since March 2, 1981, and since he disregarded the S.O.P., posted signs and was negligent in the five areas listed above, disciplinary action is warranted.

A Written Reprimand is hereby being given to Mr. Brunton, Clock No 1861, with a warning that should this type of performance continue, it could lead to more severe disciplinary action such as suspension or termination.

D. W. Hamilton, Manager
Stores & Transportation Div

"I have been given an opportunity to read this statement."

W. D. Brunton, CI No 1861



Witness

28.00

RAVENNA ARSENAL, INC.
RAVENNA, OHIO 44266

February 15, 1983

Contracting Officer's Representative
Ravenna Army Ammunition Plant
Ravenna, Ohio 44266

Subject: Incident Involving Contamination of the Ravenna AAP Potable Water System with No. 2 Fuel Oil

Dear Sir:

The following report details the findings of an investigation into the contamination of the Ravenna AAP water system.

January 19, 1983 - During the normal delivery of No. 2 fuel oil for heating purposes, a spill occurred at the tank supplying oil to the boiler in Water Works #3. The employee delivering the fuel had placed the nozzle in the fill pipe on low flow and entered the Water Works expecting the nozzle to shut off automatically. Upon checking on the tank he discovered oil flowing out of the fill pipe and shut the pump off. Comparing the amount of oil normally consumed during the 5 day period since the last fill up with the amount of oil pumped on this date indicates that about 200 gallons was spilled. Although the employee could see a significant amount of oil on the ground, much of it was apparently concealed by the snow on the ground at the time. In addition, part of the oil flowed into a valve pit in the area which further concealed the extent of the spill. The employee reported getting splashed with oil at Water Works #3 to his supervisor at the end of his rounds. He gave no indication as to the extent of the spill so no further notifications were made.

A Water Works operator and the supervisor of the Water Works noted a few yellowish patches on the snow but took it to be no more than the results of some oil running out of the nozzle while rolling up the hoze reel. In actuality, this was oil soaking up from below the snow.

February 3 & 4, 1983 - On or about this date several residents of the staff circle houses noticed an odor from their water resembling fuel oil. To our knowledge no operating contractor personnel were notified.

February 6, 1983 - At about 7:00 PM, the RAI Security Police were notified of the odor and Mr. T. M. Chanda was notified. A systematic search was undertaken to determine the extent and the cause of the contamination. The search narrowed to the water works area as the source. Although no odor came from the water plant proper, the elevated settling basin outside of the plant had an oil odor and a film on top. The well lines were sampled and Well No. 68 had a fuel oil odor in it. The well itself was sampled and had no odor. It was then assumed that the oil was entering through a small leak in the well line somewhere between the water works and the well. The only possible source of oil along this route was in the vicinity of the water works. Manholes and pits in the area were checked for water or oil leaks. At that time the oil was discovered in the valve pit and pumped out.

Re: Incident Involving Contamination of the RVAAP
Potable Water System with No. 2 Fuel Oil

-2-

February 15, 1983

Residents were advised not to drink the water and plans were made to begin excavating the next morning to find the leak. Samples of water from three houses were taken. Later results showed oil and grease level below detectable limit of 1 p.p.m. Thus, the water was acceptable under NIPDW Standards.

February 7, 1983 - The Twinsburg Office of The Ohio EPA was notified of the incident. Work began to locate the leak and the source of the oil.

February 7 to 11, 1983 - A very small leak in the pipe line from Well 68 was found and repaired in the vicinity of the oil spill. When the well was shut down the pressure in the line would drop and cause a small vacuum. This would draw the oil in the ground into the pipe. When the well was started up it would pump the oil and water to the settling basin.

The potential sources of tank leaks were eliminated and the possibility of a spill became apparent. The oil truck operator confirmed that there had been a spill.

The basins and distribution system were decontaminated using potassium permanganate to oxidize the taste and odor. The system was flushed and returned to service.

Actions Taken/Planned -

A recovery well (sump) has been installed to recover the oil from the groundwater.

Disciplinary action is being taken against the oil truck driver for not adequately reporting the spill.

Procedures for operation of the fuel truck are being reviewed.

The next exercise of the Spill Control Plan will have primary emphasis centered on the proper notification required in the event of a spill.

Sincerely,

RAVENNA ARSENAL, INC.



H. R. Cooper
Plant Engineer

HRC:jb

Attachment -

Disciplinary action, written reprimand against R. D. Brunton, Clock No. 1861, is attached and will be placed in his personnel file in Industrial Relations office. DEL/2-17-83