



Dane County Regional Airport

Progress Report Summary

Prepared for the Dane County Board, March 2024

Summary

- Results of the testing from the storm water lining project submitted to the DNR
- Report on the investigation of the Darwin Road former fire training area submitted to the DNR
- Pilot biodegradation study

Testing results on the storm water repair lining project

The last update noted that once the first three rounds of testing after the storm water lining project were completed, the DNR asked the airport to do another round of testing. That work is now complete and results can be found at the [DNR and BRRTS site](#).

Water samples were collected at six locations on four different dates and tested for PFAS as outlined in the plan approved by the DNR. This was a \$1 million project paid for by the DCRA with the Guard contributing \$300,000 to help make sure it got done. Both the DNR and airport team agree that the results are mixed. The PFAS concentrations varied greatly from one sample to the next. In some locations the levels changed little, some appeared to increase after the work was done, and the areas immediately downstream from DCRA showed reductions after the rehabilitation work.

While the results from this project were mixed, the information collected will help inform the overall approach on the entire airport property as the investigations and other pilot projects continue.

Report on Darwin Road former fire training areas filed with DNR

The report from the contractor hired to investigate the former fire training area near Darwin Road has been sent to the DNR and posted at the [DNR BRRTS site](#). The plan for the investigation of this site was approved by the DNR last year.

This investigation was done for the DCRA to find out the extent of the contamination at this site so a plan to mitigate and contain the remaining PFAS can be developed. The investigation pulled together a more complete history of the fire training activities, installed monitoring wells, sampled 23 soil borings, and collected groundwater samples. It also helped map soil composition and how water moves through the area, which is critical information for developing effective mitigation strategies.

Now that the report is complete, the DNR will review it and then DCRA will work with them to develop a plan for that site in conjunction with the work being done in other areas of the airport property. The work at this site helps complement the work being done by the Guard's RI process to investigate the different areas of the airport with contamination so that an effective, complete response plan can be developed. The Guard has also expanded the area they originally reviewed.

Pilot biodegradation study

DCRA is funding a pilot project on soil samples from the Darwin Road former fire training areas. The study is evaluating the use of the BAM technology from ORIN Technologies for biodegradation, bioaugmentation, and Organoclay additives to stabilize PFAS compounds. A report with the study results will be filed with the DNR later this year.