

ELIMINATION OF OIL STAINS IN A FAST FOOD TAKEOUT LANE

*Cleaning of concrete floor using MicroCat-SMPL, Hydrocarbon Cleaner/Degrader
QM Case study 080*

SUBJECT

Removing oil stains from a fast food takeout car lane.

PRODUCT APPLIED

MicroCat-SMPL Hydrocarbon Cleaner/Degrader



OBJECTIVE

Eliminate the oil stains on the pavement and treat hydrocarbons in an environmentally safe way.

SITE HISTORY

In an area where cars stop frequently to pick up fast food, they drop small amounts of oil and other hydrocarbons on the pavement. This not only includes motor oil, but also on occasion diesel fuel and gasoline. These residuals are difficult to remove, and they should not be simply removed and discharged directly to the environment or into the sewer system without treatment.

METHODOLOGY USED

- 1.) The area of the hydrocarbon stains was wetted with water at ambient temperatures
- 2.) After a few minutes **MicroCat-SMPL** hydrocarbon remover was sprayed over the entire stained area
- 3.) After 15 minutes the area was washed with a hose
- 4.) After 15 minutes the procedure was repeated



Figure 1. The stained concrete pavement before **MicroCat-SMPL** application



Figure 2. The stained area after **MicroCat-SMPL** application

RESULTS

After the 2 applications of **MicroCat-SMPL** a significant reduction in the recent hydrocarbon stains was observed. Some of the older stains proved to be somewhat resistant to complete removal.

CONCLUSIONS

MicroCat-SMPL was very efficient at removing stains that were one to two weeks old, however stains that were several months old or more resisted removal. In order to keep the area clear of stains it is therefore recommended that cleaning with SMPL be undertaken at least every two weeks.

OTHER OBSERVATIONS

MicroCat-SMPL removed fresh diesel spills almost immediately. Gasoline stains were removed after about two minutes and it took between 10 and 20 minutes to remove oil depending on the type spilled and the age of the spill.

RELATED MICROCAT PRODUCTS

- XRC Oil spill absorber and degrader
- XRCP High capacity oil spill absorber and degrader
- SK Oil spill absorber and degrader
- BK-A A natural organic dispersant used in combination with MICROCAT®-BK-B
- BK-B Degrades and bioremediates hydrocarbon contamination in liquids and on any solid or semi-solid surface
- XBS Bioformula for bioremediation of contaminated soils