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## Environmental Services

## REPORT

11/10/04  
CASE#04-450

GUNDLACH SHEET METAL INC.  
ATTN: ROGER GUNDLACH  
910 COLUMBUS AVE  
SANDUSKY, OH 44870  
419-626-4525

REF: CLEAN UP OF FUEL SPILL AT 3204 FOX RD THE NELSON STAR RESIDENCE

ON OCT. 28<sup>TH</sup> SPILL TEK WAS CONTACTED BY DON BARNHART WHO LIVES AT 3204 FOX RD REFERENCE TO A HEATING OIL SPILL INSIDE OF THE RESIDENCE ON FOX RD. SPILL TEK THEN MET WITH DON BARNHART AND ROGER GUNDLACH OF GUNDLACH SHEET METAL INC. UPON ENTERING THE RESIDENCE I COULD SMELL A STRONG ODOR OF HEATING OIL. DON AND ROGER SHOWED MYSELF AND KENJI SANDERS ALSO OF SPILL TEK WHERE THE SPILL HAD OCCURRED. THE SPILL WAS UNDER A HEATING UNIT IN THE HOME THAT WAS A SLAB BUILT RESIDENCE. WE WERE ADVISED THAT THE SPILL WAS FROM 10 - 50 GALLONS AND HAD HAPPENED ABOUT 30 DAYS AGO. WE WERE ALSO ADVISED THAT ERS AN ENVIRONMENTAL COMPANY BY TOLEDO HAD RESPONDED OUT AROUND THE TIME OF THE SPILL AND HAD TREATED THE SPILL WITH A BIO REMEDIATION SOLUTION. DON HAD ADVISED US THAT OVER THE LAST 30 DAYS HIS WIFE AND SON HAD BECOME ILL FROM THE SMELL OF THE FUEL. THE FUEL COULD BE SMELLED THROUGH OUT THE RESIDENCE.

SPILL TEK THEN FAXED NELSON STAR THE OWNER OF THE RESIDENCE A PROPOSAL ON HOW TO ATTEMPT TO CLEAN UP THE SPILL. ON OCT 29<sup>TH</sup> ROGER GUNDLOCH WAS FAXED A COPY OF SPILL TEK REDUCED RATES AND A CONTRACT. ROGER ADVISED THAT HE WOULD BE PAYING FOR OUR SERVICES AND SIGNED THE RATE SHEET AND THE CONTRACT. I ADVISED ROGER THAT SPILL TEK WOULD BEGIN WORK ON NOVEMBER 1<sup>ST</sup>.

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SPILL TEK BEGAN WORK ON NOV 1<sup>ST</sup> BY DRILLING A HOLE IN ONE OF THE DUCKS THAT LEFT THE HEATING BOX WHERE THE SPILL HAD OCCURRED. IN THIS HOLE WE PLACED OUR PID METER THAT MEASURES THE ORGANIC VAPOR AMOUNTS AND THE METER READ VERY HOT AROUND 110PPM. SPILL TEK THEN USED PLASTIC TO SEAL OFF THE AREA AND A HIGH POWER VENTILATION FAN TO EXHAUST THE DUST AS A CONCRETE AREA WAS CUT TO GAIN ACCESS UNDER THE FLOOR. A JACK HAMMER WAS THEN USED TO BREAK UP THE CONCRETE SLAB WHICH WAS AROUND 6 INCHES THICK. SPILL TEK THEN HAND DUG ACCESS TO THE AREA WHERE THE SPILL HAD OCCURRED. ALL THE SPOILS WERE CHECKED FOR CONTAMINATION WHICH ALL READ FROM 50 - 150 PPM ON THE PID METER.

EVERY DIRECTION WE EXCAVATED WE FOUND CONTAMINATION. IT WAS AS IF THE FUEL FOLLOWED EVERY LINE AND DUCK UNDER THE HEATING BOX FOR A WHILE THEN IT SOAKED INTO THE SOIL BELOW. THE HEATING BOX WAS NOT SEALED TIGHT AND FUEL HAD MADE ITS WAY THROUGH THE CONCRETE. AT THE END OF EACH NIGHT THE HEATING BOX WAS TREATED WITH AN EMULSIFIER TO PUSH THE FUEL OUT OF THE CONCRETE. THIS DIG CONTINUED FOR 4 DAYS ON THURSDAY NOV. 4<sup>TH</sup> ROGER GUNDLOCH CALLED TO SEE HOW IT WAS COMING I ADVISED HIM THAT IT WAS MUCH CLEANER BUT WERE STILL RUNNING INTO HOT SPOTS. HE ADVISED THAT HE HAD BEEN SPEAKING WITH A PERSON FROM SARVA BIO REMED WHO ADVISED THAT HE HAD A BIO VAPOR REMEDIATION PRODUCT THAT WOULD CLEAN THE FUEL SPILL AND MAKE THE VAPOR GO AWAY. I ADVISED ROGER TO LET US KEEP DIGGING OUT THE HOT SPOTS AND THAT ON FRIDAY WE COULD APPLY THE BIO SOLUTION IF HE WANTED. ROGER AGREED TO GET THE REST OF THE HOT SPOTS AND ORDERED THE SOLUTION FOR NEXT DAY.

ROGER ALSO HAD ME CONTACT SOME OTHER PEOPLE IN THE ENVIRONMENTAL FIELD FOR ANY SUGGESTIONS. I MADE CONTACT WITH MIKE GERBER FROM OHIO EPA WHO ADVISED THAT I NEEDED TO CONTACT BILL WALKER WITH THE ERIE COUNTY EMA AND THE ERIE COUNTY HEALTH DEPARTMENT AND HAVE THEM RESPOND OUT THE TO RESIDENCE. BOTH THE EMA AND HEALTH DEPARTMENT CAME OUT AND ADVISED THAT WE SHOULD JUST KEEP EXCAVATING THE CONTAMINATED SOIL OUT. MIKE GERBER HAD HEARD OF BIO SOLUTIONS BEING USED AND ADVISED THAT IT MAY WORK. ON THURSDAY WE MADE GREAT PROGRESS WITH THE EXCAVATION DUE TO THE FACT THAT IT WAS THE FIRST DAY THAT WE COULD STAND IN THE HOLE. ALL TOGETHER AROUND 13 YARDS OF SOIL WERE EXCAVATED OUT OVER THE 4 DAYS.

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ON THURSDAY NIGHT WE WERE GETTING MUCH LOWER PID READING AND HAD LOCATED TWO WALLS THAT HAD NO READINGS ON THE PID. FOR AN AVERAGE READING THURSDAY NIGHT WAS AROUND 10 - 20 PPM ON THE PID METER.

ON FRIDAY WE MET AT THE RESIDENCE WITH ROGER GUNDLOCH AND HE HAD THE BIO SOLUTION VAPOR REMED FROM SARVA BIO REMED. KENJI WITH SPILL TEK CONTACTED THE COMPANY FOR THE PROPER APPLICATION. THE COMPANY ADVISED THAT WE PUT IT INTO A SPRAYER AND SPAY ALL AFFECTED AREAS WITH THE SOLUTION STRAIGHT. THAT WAS DONE 2 TIMES IN THE EXCAVATED AREA EVEN SPRAYING THE UNDERSIDE OF THE CONCRETE FLOOR. GUNDLOCH THEN USED THE SOLUTION IN THE DUCK WORK OF THE RESIDENCE ALONG WITH CLEANING THE DUCK WORK. WE THEN USED THE BALANCE OF THE SOLUTION ON THE TOP SIDE OF THE HEATING BOX AND FLOOR AREA. ROGER GUNDLOCH THEN ADVISED US THAT HE WOULD CONTACT US IF HE NEEDED ANY OTHER ASSISTANCE. I ADVISED ROGER THAT WHEN HE FELT THE BIO REMED HAD WORKED THAT HE SHOULD TAKE SOME SOIL SAMPLES FOR LAB TESTING.

ON NOVEMBER 10<sup>TH</sup> THE WASTE FROM THIS JOB WAS MANIFESTED AND DISPOSED OF AT EVERGREEN LANDFILL IN NORTHWOOD, OHIO.

RESPECTFULLY SUBMITTED,

A handwritten signature in black ink, appearing to read "Greg Stark", is written over the typed name.

GREG STARK SPILL TEK ENVIRONMENTAL SERVICES

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11/19/2004 03:21 3304532952

STARK ENVIROLABS INC

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# Stark EnviroLabs, Inc.

1718 6th Street S.W. • Canton, OH 44706  
TEL: (330) 453-2950 • FAX: (330) 453-2952

## - REPORT OF ANALYSIS -

SPILL TEK  
5813 HURON STREET  
VERMILION, OH 44089

Client ID: 7081

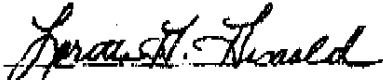
Lab ID: 0411180383  
Your Sample ID: GRAB CRAWL SPACE  
Sample Type: SOIL  
Project Name: 04-450  
Project #:   
P. O. #: SPILL TEK

Date Sampled: 11/17/2004  
Time Sampled: 21:30  
Date Received: 11/18/04  
Time Received: 9:50  
Date Reported: 11/19/2004  
Time Reported: 13:59

| Test Group | Test                         | Result | Units | Detection Limit            | Analysis Date |
|------------|------------------------------|--------|-------|----------------------------|---------------|
| TPHS 418   | EPA_418                      |        |       | Calibration Date: 11/18/04 |               |
|            | Total Petroleum Hydrocarbons | <10    | mg/kg | 10                         | 11/18/2004    |

**Comments:**

Organic solids are dry weight corrected when applicable.

  
Analyst

  
QA/QC Manager

Results relate only to items tested. Samples tested as received. This report may not be reproduced except in full without the approval of Stark EnviroLabs, Inc.

0411180383

GRAB CRAWL