

SCOLES ASSOCIATES, INC.

November 6, 1989

Mr. Richard Walker, Department of Ecology
SW Regional Office
7272 Cleanwater Lane, MS: LU-11
Olympia, WA 98504-6811

Dear Mr. Walker,

Please review the enclosed letter-style decommissioning reports for the underground storage tanks (USTs) removed on August 19 and 20, 1989 from Port of Camas / Washougal Industrial Park. You will see that the reports follow a similar format and that only the site specific details change from one report to the next.

Two of the decommissioning reports conclude that no indication of fuel contamination was observed by myself and no fuel hydrocarbon concentration was detected by analytical laboratory. These reports are submitted to DOE for review and inclusion in their files. The third report concludes that fuel contamination was observed and confirmed by the laboratory for a 1,000 gallon UST formerly storing diesel fuel. I am currently writing the interim investigation and cleanup report for this tank site (DOE no. 010715), so it will be mailed to you soon. That report discusses the soil excavation and proposed treatment of the contaminated soil stockpile.

Dick, I have spoken to you about this tank site a of couple times. Currently, the Port has safely stockpiled the contaminated soil and covered it with plastic. I am preparing an application for the Southwest Air Pollution Control Authority (SWAPCA) to aerate the contaminated soil next spring. I will keep you posted on a regular basis to maintain open communication between the DOE and the Port of Camas / Washougal. If I can provide you with any additional information, please feel welcome to call me (503-635-5132) at your convenience. Thanks again for your assistance and cooperation.

Very truly yours,

SCOLES ASSOCIATES, INC.



Phil Scoles
Soil and Water Scientist

enclosures

cc: Tom O'Donohue, Washougal Fire Marshall's Office
Sheldon Tyler, Manager, Port of Camas / Washougal

SCOLES ASSOCIATES, INC.

October 19, 1989

Mr. Sheldon Tyler, Manager
Port of Camas/Washougal
24 "A" Street
Washougal, WA 98671-2199

Dear Sheldon,

This letter is a decommissioning report for the 500 gallon underground storage tank (UST) removed from 531 South 28th Street, Washougal, Washington on August 20, 1989. This report summarizes the UST removal process, existing soil conditions, analytical sampling, and laboratory results. Scoles Associates, Inc. (SAI) has compiled this report for the express use of the Port of Camas / Washougal and its designates.

The UST removed from the Port's Industrial Park property was registered with the Department of Ecology (DOE). The DOE site number is 010715. The UST was situated by itself in a small tank pit and connected to a fuel dispenser / pump located nearby, west of Building no. 4. The 500 gallon capacity UST was constructed of steel and had no additional corrosion protection (i.e. fiberglass or tar coating, zinc cathodes, etc.). The tank was originally installed around 1972 by a lessee and in use until 1980 or so. The UST (designated no. 9 by the Port) contained gasoline.

On August 19, 1989 Northwest Field Services (NFS) triple-washed the UST in accordance with State regulations. NFS recovered all of its wash water and no petroleum product since the tank was already empty. Tom New Construction, the excavation contractor, removed the UST around 10:00 AM the following day (August 20, 1989).

Slightly after 12:30 PM, the tank pit and stockpile of backfill soil were inspected for fuel contamination. The soil conditions consisted of older dredge-fill sand that was excessive drained near the surface and slightly moist at a depth of 5.5 feet. No "water stains" were visible as an indication of ground water table in contact with the UST. No indication of fuel leakage was observed — by sight or smell — in the tank pit. Ground water was not encountered within 24 inches of the bottom of the tank pit. The UST was also inspected for fuel contamination, but none was apparent on the top, bottom or side surfaces. The attached photographs show the condition of the tank and tank pit after removal and prior to sampling.

One soil sample, T9-5.5 was collected from the bottom of the tank pit below the fill pipe of the tank. Additionally, samples from three other locations in the bottom of the tank pit

were mixed together (in equal proportions) to form composite soil sample T9-5.5C. All samples were packed into laboratory-clean jars using decontaminated stainless steel sampling spoons. The sampling scientist (Phil Scoles) handled each sample separately with new disposal latex gloves and labeled each jar according to its sampling depth and time of sampling. The packed samples were immediately placed in a portable cooler containing frozen Blue Ice® and later shipped to Enviro Corporation for laboratory analysis. A chain of custody accompanied the samples and was returned after the laboratory finished its tests.

Enviro Corporation tested the soil samples for total petroleum hydrocarbons (TPH) using modified EPA method 8015 (gas chromatography). Neither soil sample had a detectable fuel concentration. The Enviro laboratory report is attached with the completed chain of custody.

The laboratory results were verbally reported to SAI and the Port on August 23, 1989, so the tank pit was backfilled soon thereafter. The excavation contractor completed his work by removing the underground piping and dispenser stand. The UST was hauled to Schnitzer Steel Products Co. at 12005 North Burgard Road, Portland, Oregon for recycling and disposal.

Based on soil conditions observed and the outcome of the analytical tests, SAI finds no indication of petroleum (diesel or gasoline) contamination in the tank pit or the sandy backfill soil therein. This report makes no claim or conclusions about the ground water, the rest of the property, and the report findings and their significance should not be extrapolated beyond the immediate area of observation and sampling. SAI shall not be liable beyond the fees paid for its services for errors or omissions.

Sheldon, if you or the Port Commissioners require additional information about this matter, please contact me (503-635-5132) at your convenience. Scoles Associates, Inc. greatly appreciates the opportunity to serve you and the Port of Camas / Washougal.

Respectfully submitted,

SCOLES ASSOCIATES, INC.



Phil Scoles
Soil and Water Scientist

attachments

Scoles Associates, Inc.



PHOTO NO. 1. View of the north side of the tank pit for UST no. 9 on the west side of Building 4, at 531 South 28th Street, Washougal, WA.

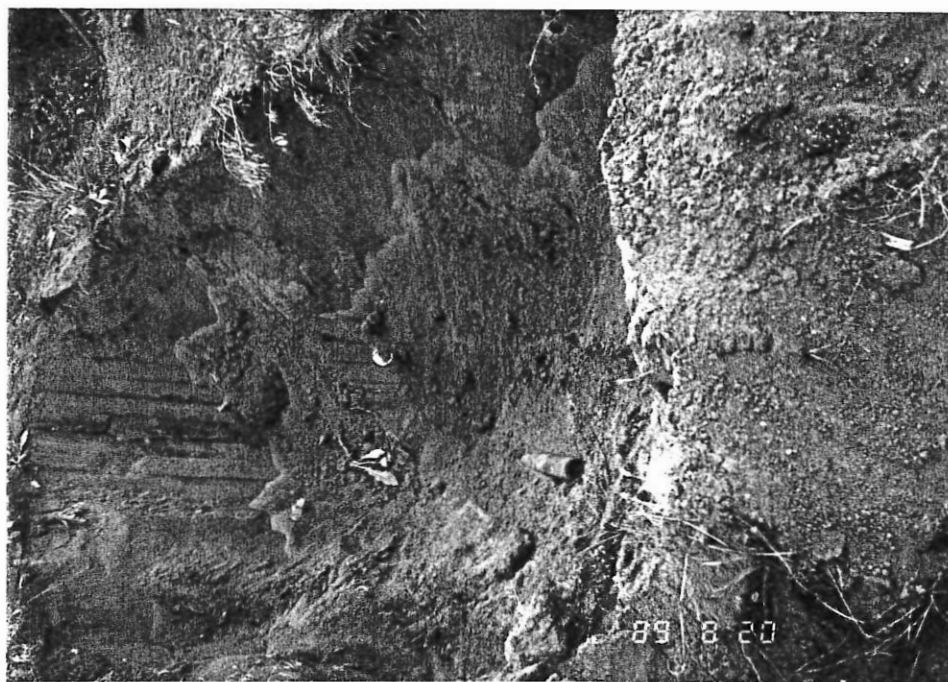


PHOTO NO. 2. Vertical view of the tank pit for UST no. 9. The back part of the tank pit was the end having the fill spout.



PHOTO NO. 3. View of the sandy backfill that surrounded UST no. 9. This stockpile and the soil in the bottom of the tank pit did not have any indication of leakage or spillage.



PHOTO NO. 4. Side view of UST no. 9. The exterior surface (unprotected) was in fair to good condition on all sides.



PHOTO NO. 5. An opposite view of UST no. 9 after removal. The UST had no apparent leakage or spillage stains on the exterior surface.



PHOTO NO. 6. End view of UST no. 9 after removal from the tank pit.

Scoles Associates, Inc.
Post Office Box 2168
Lake Oswego, OR 97035-0052
503 - 635-5132

PROCESS IMMEDIATELY

CHAIN OF CUSTODY RECORD

1. PROJ. NO. SA-890819		2. PROJECT NAME & ADDRESS CAWA - S. 28th St. (9 & 10) Truman St. (1 & 2)		10. NO. OF CONTAINERS		11. ANALYSIS TO BE PERFORMED GTx Fuel Scan 8015-1018		12. REMARKS	
3. SAMPLERS: (SIGNATURE) P. Stulen				9. STATION LOCATION		13. RELINQUISHED BY: (SIGNATURE)		14. DATE/TIME	
4. STA. NO.	6. DATE	8. TIME	7. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 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2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 218						

Date of Report: August 25, 1989
Date Submitted: August 21, 1989
Project: SA-890819

RESULTS OF ANALYSES OF SAMPLES FOR
TOTAL PETROLEUM HYDROCARBONS (C7-C30)
BY MODIFIED EPA METHOD 8015

<u>Sample #</u>	<u>Matrix</u>	<u>Dil.</u> <u>Fac.</u>	TPH (ppm)	RANGE (C7-C30)
T7-10.5	Soil		<10	----
T8-10.5	Soil		<10	----
T7/8-10.5	Soil		<10	----
T9-5.5	Soil		<10	----
T9-5.5C	Soil		<10	----
T10-6.5	Soil		1600	C7-C28
T10-6.5C	Soil		2600	C7-C28
T10-4.0	Soil		1200	C7-C28

Quality Assurance

Method Blank		<10	----
T9-5.5C (Duplicate)		<10	----
T9-5.5C (Matrix Spike) Spiked @ 50 ppm Percent Recovery		61%	C7-C30

enviros