Table 4

March 2007 and October 2006 Stormwater Outfall Solids Data
Former PACCAR Site

| Location<br>Sample ID<br>Sample Date<br>Depth Interval | Sediment Management Standards (SMS) | | Storm-South<br>AN005-CB-061016<br>10/16/2006<br>N/AP | Storm-South<br>AN005-070319<br>3/19/2007<br>N/AP | Storm-North<br>AN006-CB-061016<br>10/16/2006<br>N/AP | Storm-North<br>AN006-070319<br>3/19/2007<br>N/AP | Boeing Drain<br>AN033-CB-061016<br>10/16/2006<br>N/AP |
|---|---|---|---|---|---|---|---|
| | SQS* | CSL* | | | | | |
| **Conventionals (%)** | | | | | | | |
| %Moisture | -- | -- | -- | | -- | | -- |
| Total solids | -- | -- | **63.60** | **8.35** | **57.50** | **8.42** | **90.40** |
| Total Organic Carbon | -- | -- | **2.64** | **48.20** | **10.8** | **26.90** | **3.08** |
| **Grain Size (%)** | | | | | | | |
| Gravel | -- | -- | **1.9** | **2.6** | **74.8** | **0.9** | -- |
| Sand | -- | -- | **85.3** | **78.8** | **20.4** | **27.4** | -- |
| Sand, Very Coarse | -- | -- | **2.2** | **6.2** | **5.4** | **1.6** | -- |
| Sand, Coarse | -- | -- | **5.5** | **19.2** | **5.4** | **3.3** | -- |
| Sand, Medium | -- | -- | **26.0** | **27.2** | **5.2** | **5.5** | -- |
| Sand, Fine | -- | -- | **35.7** | **16.8** | **2.8** | **7.3** | -- |
| Sand, Very Fine | -- | -- | **15.9** | **9.4** | **1.6** | **9.7** | -- |
| Silt | -- | -- | **11.5** | **17.5** | **4.4** | **65.2** | -- |
| Silt, Coarse | -- | -- | **6.0** | **10.5** | **2.1** | **29.0** | -- |
| Silt, Medium | -- | -- | **3.2** | **3.7** | **1.4** | **18.7** | -- |
| Silt, Fine | -- | -- | **1.5** | **2.1** | **0.6** | **11.7** | -- |
| Silt, Very Fine | -- | -- | **0.8** | **1.2** | **0.3** | **5.8** | -- |
| Fines | -- | -- | **12.7** | **18.6** | **4.8** | **71.6** | -- |
| **Metals (mg/kg dw)** | | | | | | | |
| Arsenic | 57 | 93 | **13.0 J** | **5.1** | **7.2 J** | **32.4** | **10.3 J** |
| Cadmium | 5.1 | 6.7 | **2.5** | **4.1** | **7.1** | **6.8** | **15** |
| Chromium | 260 | 270 | **67.3 J** | **77.4** | **80.8 J** | **125** | **114 J** |
| Copper | 390 | 530 | **134 J** | **318** | **111 J** | **264** | **112 J** |
| Lead | 450 | 530 | **128** | **660** | **175** | **764** | **504** |
| Mercury | 0.41 | 0.59 | **0.30** | **0.09 J** | **0.08** | **0.9 J** | **0.12** |
| Silver | 6.1 | 6.1 | **1.4** | **0.3** | 0.3 U | **1.6** | **0.3** |
| Zinc | 410 | 960 | **385 J** | **860** | **720 J** | **1110** | **6710 J** |
| **PCBs (µg/kg dw)** | | | | | | | |
| Aroclor 1016 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |
| Aroclor 1221 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |
| Aroclor 1232 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |
| Aroclor 1242 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |
| Aroclor 1248 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |
| Aroclor 1254 | -- | -- | **160** | **250** | 49 U | **700** | 670 U |
| Aroclor 1260 | -- | -- | 99 U | **63 J** | 49 U | **250** | 670 U |
| Aroclor 1262 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |
| Aroclor 1268 | -- | -- | 99 U | 59 U | 49 U | 200 U | 670 U |

Table 4

March 2007 and October 2006 Stormwater Outfall Solids Data
Former PACCAR Site

| Location<br>Sample ID<br>Sample Date<br>Depth Interval | Sediment Management Standards (SMS) | | Storm-South<br>AN005-CB-061016<br>10/16/2006<br>N/AP | Storm-South<br>AN005-070319<br>3/19/2007<br>N/AP | Storm-North<br>AN006-CB-061016<br>10/16/2006<br>N/AP | Storm-North<br>AN006-070319<br>3/19/2007<br>N/AP | Boeing Drain<br>AN033-CB-061016<br>10/16/2006<br>N/AP |
|---|---|---|---|---|---|---|---|
| | SQS* | CSL* | | | | | |
| Total PCBs (SMS) | 130 | 1000 | **160** | **313** | 49 U | **950** | 670 U |
| **SVOCs (µg/kg dw)** | | | | | | | |
| Naphthalene | 2100 | 2400 | 60 U | 350 U | 200 U | 620 U | 60 U |
| Acenaphthylene | 1300 | 1300 | 60 U | 350 U | 200 U | 620 U | 60 U |
| Acenaphthene | 500 | 730 | **160** | 350 U | **120 J** | 620 U | **110** |
| Fluorene | 540 | 1000 | **93** | 350 U | **220** | 620 U | **78** |
| Phenanthrene | 1500 | 5400 | **810** | **2300** | **780** | **3000** | **470** |
| Anthracene | 960 | 4400 | **170** | **450** | 200 U | **460 J** | **63** |
| 2-Methylnaphthalene | 670 | 1400 | 60 U | 350 U | **460** | 620 U | 60 U |
| Fluoranthene | 1700 | 2500 | **1600** | **7100** | **380** | **9500** | **1100** |
| Pyrene | 2600 | 3300 | **1600** | **2900 J** | **230** | **5000 J** | **980** |
| Benzo(a)anthracene | 1300 | 1600 | **330** | **1800 J** | 200 U | **2200 J** | **250** |
| Chrysene | 1400 | 2800 | **1000** | **4600 J** | **370** | **4600 J** | **700** |
| Benzo(b)fluoranthene | -- | -- | **930** | **3200 J** | **170 J** | **4300 J** | **750 J** |
| Benzo(k)fluoranthene | -- | -- | **1000** | **3300 J** | **150 J** | **4000 J** | **750** |
| Benzo(a)pyrene | 1600 | 3000 | **680** | **2200 J** | 200 U | **2500 J** | **600 J** |
| Indeno(1,2,3-cd)pyrene | 600 | 690 | **280** | **750 J** | 200 U | **1500 J** | **170 J** |
| Dibenzo(a,h)anthracene | 230 | 540 | **160** | 350 U | **84** | **320 J** | **56** |
| Benzo(g,h,i)perylene | 670 | 720 | **320** | **910 J** | 200 U | **2100 J** | **170 J** |
| 1,3-Dichlorobenzene | -- | -- | 60 U | 350 U | 200 U | 620 U | 60 U |
| 1,4-Dichlorobenzene | 110 | 120 | **18** | 350 U | 6.2 U | 620 U | 6.0 U |
| 1,2-Dichlorobenzene | 35 | 50 | 6.1 U | 350 U | 6.2 U | 620 U | 6.0 U |
| 1,2,4-Trichlorobenzene | 31 | 51 | 6.1 U | 350 U | 6.2 U | 620 U | 13 UY |
| Hexachlorobenzene | 22 | 70 | 6.1 U | 350 U | 6.2 U | 620 U | 6.0 U |
| Dimethylphthalate | 71 | 160 | **210** | **290 J** | 200 U | **630** | **180** |
| Diethylphthalate | 200 | 1200 | 60 U | 350 U | 200 U | 620 U | 60 U |
| Di-n-butylphthalate | 1400 | 5100 | **120** | 350 U | 200 U | **870** | **74** |
| Butylbenzylphthalate | 63 | 900 | **280** | **5100 J** | **1100** | **1300 J** | **40** |
| bis(2-Ethylhexyl)phthalate | 1300 | 1900 | **4500** | **26000 J** | **10000** | **62000** | **3600** |
| Di-n-octylphthalate | 6200 | -- | **280** | **1800 J** | **3100** | **3100 J** | **700** |
| Dibenzofuran | 540 | 700 | 60 U | 350 U | 200 U | 620 U | 60 U |
| Hexachloroethane | -- | -- | 60 U | 350 U | 200 U | 620 U | 60 U |
| Hexachlorobutadiene | 11 | 120 | 6.1 U | 350 U | 6.2 U | 620 U | 6.0 U |
| n-Nitrosodiphenylamine | 28 | 40 | 40 UY | 350 U | 62 UY | 620 U | 210 UY |
| Total benzofluoranthenes (SMS) | 3200 | 3600 | **1930** | **6500** | **320** | **8300** | **1500** |
| Total LPAH (SMS) | 5200 | 13000 | **1233** | **2750** | **1120** | **3460** | **721** |
| Total HPAH (SMS) | 12000 | 17000 | **7836** | **26760** | **1300** | **36020** | **5500** |

Table 4

March 2007 and October 2006 Stormwater Outfall Solids Data
Former PACCAR Site

| Location<br>Sample ID<br>Sample Date<br>Depth Interval | Sediment Management Standards (SMS) SQS* | CSL* | Storm-South<br>AN005-CB-061016<br>10/16/2006<br>N/AP | Storm-South<br>AN005-070319<br>3/19/2007<br>N/AP | Storm-North<br>AN006-CB-061016<br>10/16/2006<br>N/AP | Storm-North<br>AN006-070319<br>3/19/2007<br>N/AP | Boeing Drain<br>AN033-CB-061016<br>10/16/2006<br>N/AP |
|---|---|---|---|---|---|---|---|
| **Phenols (µg/kg dw)** | | | | | | | |
| Phenol | 420 | 1200 | 60 U | 480 U | 200 U | 620 U | 60 U |
| 2-Methylphenol | 63 | 72 | **7.9** | 350 U | 6.2 U | 620 U | 6.0 U |
| 4-Methylphenol | 670 | 800 | **43 J** | **7100** | 200 U | **14000** | **38 J** |
| 2,4-Dimethylphenol | 29 | 72 | 6.1 U | 350 U | 6.2 U | 620 U | 10 UY |
| Pentachlorophenol | 360 | 690 | 30 U | 1800 U | 31 U | 3100 U | 30 U |
| **Misc Extractables (µg/kg dw)** | | | | | | | |
| Benzyl alcohol | 57 | 73 | 30 U | **940** | **920** | 620 U | 30 U |
| Benzoic acid | 650 | 650 | 600 U | **4200** | 2000 U | **3700 J** | 600 UJ |

Notes:

Analyte exceeds SQS

Analyte exceeds CSL

Analyte Detection Limit exceeds SQS or CSL

SQS = Sediment Quality Standards

CSL = Cleanup Screening Levels

* Dry weight criteria (LAET / 2LAET) critiera from SMS were applied for PCBs and SVOCs

**Bold** = detected result

mg/kg dw = milligrams per kilogram dry weight

µg/kg dw = micrograms per kilogram dry weight

J = estimated value

U = compound was analyzed but not detected

UJ = estimated detection limit

UY = raised reporting limit due to background interference. Compound not detected.

(SMS) = calculated per Sediment Management Standards

N/AP = not applicable