# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID#:** 53B **Date:** 8/24/11 **Time:** 1335

Field team: MW Results entered by: MW

## SITE DESCRIPTION

**Receiving water:** Willamette River (Columbia Slough) Johnson Creek

**Dominant land use:** Industrial (Commercial) Residential

**Sample/Inspection point:** (Outfall) Manhole **Outfall type:** Stormwater CSO

**Flow observed:** (Yes) No Outfall submerged Manhole standing water

## VISUAL OBSERVATIONS

**Odor:** None Musty Sewage $H_2S$ Sour milk Other _____

**Color:** Clear Orange Red Brown Green Grey Other _____

**Clarity:** Clear Cloudy Suspended solids Opaque Other _____

**Floatables:** None Oily sheen Garbage Sewage Iron bacteria Other _____

**Biological:** None Mosquito larvae Bacteria/Algae Iron bacteria Other _____

**Deposits/Stains:** None Sediment Oily Garbage Iron bacteria Other _____

## FIELD ANALYSIS

Dissolved Oxygen 6.95 mg/l
Turbidity 25.05 FAU
Surfactants Ø
Calcium Hardness

$NH_3$ .37 ppm
K 15.9 ppm
B
Cl

**pH** (6-9): 6.9 → → → → → **NOTE:** ***If pH is high*** take a metals (1/2 pint plastic bottle) and a surfactant sample (1 pint plastic bottle). ***If pH is low*** take surfactant sample (1 pint plastic bottle)

**Temperature:** 69 °F

**Conductivity** (>800): 265 umhos/cm → → **NOTE:** ***If Conductivity is high*** take one sample for: Surfactants (1 pint plastic bottle), total dissolved solids (1 pint plastic bottle), metals (1/2 pint plastic bottle)

**Residual chlorine** (>.1): Ø mg/l

## LAB ANALYSIS

**E. Coli** (>500): 1,200 cfu per 100/ml **WPCL sample #:** _____

**Cu:** _____ mg/l **Pb:** _____ mg/l **Zn:** _____ mg/l **Surfactants:** _____ mg/l

**TDS:** _____ mg/l **TSS:** _____ mg/l **TS:** _____ mg/l

## UPSTREAM INVESTIGATION

| Location | Type of sample taken/results | WPCL sample # |
|---|---|---|
| | | |
| | | |
| | | |

**Actions taken/comments:** Fe bac plus some weathered ~~[illegible]~~ tan-colored foamy residue

S:\SPCR\STRMWTR\IDEP\OF INSP FORM.doc

# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID#:** 53B **Date:** 7/19/12 **Time:** 940

## SITE DESCRIPTION

**Receiving water:** Willamette River (Columbia Slough) Johnson Creek Columbia River

**Dominant land use:** (Commercial/Industrial) Residential

**Sample/Inspection point:** (Outfall) Manhole

**Flow observation:** Yes ~~No~~ (Outfall submerged) Manhole standing water

## FIELD ANALYSIS

**pH** (<5;>9):_____ **Ammonia(05)** (>0.5mg/L):_____mg/L

**Temperature** (>18°C):_____°C **Potassium(83)** (>10 mg/L):_____mg/L

**Conductivity** (>500 µS/cm):_____ µS/cm **Hardness(43)** (20 mg/L):_____mg/L

**Dissolved Oxygen:**_____mg/L **Turbidity(98)** (10 NTU):_____FAU

**Residual chlorine:**_____mg/L

## LAB ANALYSIS

**E.coli** (>500):_____MPN per 100/ml

**Cu:**_____mg/L **Pb:**_____mg/L **Zn:**_____mg/L

**TSS:**_____mg/L **TPH:**_____mg/L **VOC:**_____mg/L

## UPSTREAM INVESTIGATION

**Location**

Flooded, slight sheen around mouth of OF

**Actions taken/comments:**

# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID#:** 53B **Date:** 8/9/2012 **Time:** 11:18

## SITE DESCRIPTION

**Receiving water:** Willamette River Columbia Slough Johnson Creek Columbia River

**Dominant land use:** Commercial/Industrial Residential

**Sample/Inspection point:** Outfall Manhole

**Flow observation:** Yes No Outfall submerged Manhole standing water

## FIELD ANALYSIS

**pH** (<5;>9): 6.97 **Ammonia(05)** (>0.5mg/L): 1.80 mg/L

**Temperature** (>18°C): 20.5 °C **Potassium(83)** (>10 mg/L): 6.1 mg/L

**Conductivity** (>500 µS/cm): 311 µS/cm **Hardness(43)** (20 mg/L): 140 mg/L

**Dissolved Oxygen:** 8.93 mg/L **Turbidity(98)** (10 NTU): 78.80 FAU

**Residual chlorine** (> 0.1mg/L): Ø mg/L

## LAB ANALYSIS

**E.coli** (>500): 4400 MPN per 100/ml

**Cu:** _____ mg/L **Pb:** _____ mg/L **Zn:** _____ mg/L

**TSS:** _____ mg/L **TPH:** _____ mg/L **VOC:** _____ mg/L

## UPSTREAM INVESTIGATION

**Location**

**Actions taken/comments:**
very little flow. had to drop the bucket 5 times to get enough water.
no floatable matter, relatively clear, no odor.

# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID#:** 53B **Date:** 9/19/12 **Time:** 11:30

## SITE DESCRIPTION

**Receiving water:** Willamette River Columbia Slough Johnson Creek Columbia River

**Dominant land use:** Commercial/Industrial Residential

**Sample/Inspection point:** Outfall Manhole

**Flow observation:** Yes No Outfall submerged Manhole standing water

## FIELD ANALYSIS

**pH** (<5;>9): 6.55 **Ammonia(05)** (>0.5mg/L): 3.33 mg/L

**Temperature** (>18°C): 15.8 °C **Potassium(83)** (>10 mg/L): 9.0 mg/L

**Conductivity** (>500 µS/cm): 263.5 µS/cm **Hardness(43)** (20 mg/L): 231 mg/L

**Dissolved Oxygen:** 5.32 mg/L **Turbidity(98)** (10 NTU): 29.50 FAU

**Residual chlorine** (> 0.1mg/L): Ø mg/L

## LAB ANALYSIS

**E.coli** (>500): >24,000 MPN per 100/ml

**Cu:** ND mg/L **Pb:** ND mg/L **Zn:** .115 mg/L (Total metals by ICP)

**TSS:** _____ mg/L **TPH:** _____ mg/L **VOC:** _____ mg/L

## UPSTREAM INVESTIGATION

**Location**

**Actions taken/comments:**
white foam

City of Portland
Water Pollution Control Laboratory
6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656

# LABORATORY ANALYSIS REPORT

| | | | |
|---|---|---|---|
| Project: | **SPCR IDEP** | Client: | Spill Protection and Citizen Response |
| Work Order: | **W13B206** | Project Mgr: | John McGregor |
| Received: | 2/27/13 12:55 | WQDB #: | Janus26 |
| Submitted By: | SPCR | | |

| Sample | Laboratory ID | Matrix | Type | Sample Collection Date Start | Sample Collection Date End | Qualifier |
|---|---|---|---|---|---|---|
| OF 53B | W13B206-01 | Water | Grab | 02/27/13 12:20 | 02/27/13 12:20 | |

| Analyte | Result | Units | MRL | Dilution | Batch | Prepared | Analyzed | Method | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **OF 53B : W13B206-01** | | | | | | | | | |
| **Microbiology** | | | | | | | | | |
| E. coli | ND | MPN/100 mL | 10 | 1 | B13B409 | 02/27/13 | 02/28/13 | Colilert QT | |

## Definitions

| | | | |
|---|---|---|---|
| DET | Analyte Detected | ND | Analyte Not Detected at or above the reporting limit |
| MRL | Method Reporting Limit | MDL | Method Detection Limit |
| NR | Not Reportable | dry | Sample results reported on a dry weight basis |
| % Rec. | Percent Recovery | RPD | Relative Percent Difference |

Reported: 02/28/13 15:00

Jennifer Shackelford

Jennifer Shackelford, Laboratory Coordinator QA/QC
VP1027E01

*The results in this report apply only to the samples analyzed. Qualifiers and case narrative comments are essential to interpretation of the analytical results. Report reproductions and/or data summaries without qualifiers and comments are incomplete.*

# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID** 53B **Date** 7.19.13 **Time** 13:40

Asset # sampled

## SITE DESCRIPTION

**Receiving water:** Willamette River Columbia Slough Johnson Creek Columbia River

**Dominant land use:** Commercial/Industrial Residential

**Sample / Inspection point:** Outfall Manhole

**Flow observation:** Yes No Outfall submerged Manhole standing water

## FIELD ANALYSIS

**pH** (<5; >9) 7.85

**Temperature** (>18°C) 19.1 °C

**Conductivity** (>500 µS/cm) 307 µS/cm

**Dissolved Oxygen** (<5 µS/cm) 9.89 mg/L

A **Residual chlorine** (> 0.1mg/L) .16 mg/L

**Ammonia (05)** (>0.5mg/L) .21 mg/L

**Potassium (83)** (>10 mg/L) 6.7 mg/L

**Hardness (43)** (20 mg/L) 116 mg/L

**Turbidity (98)** (10 NTU) 28.80 FAU

## LAB ANALYSIS

**E. coli** (>500) _____ MPN per 100/ml

**Cu** _____ mg/L **Pb** _____ mg/L **Zn** _____ mg/L **Total Metals (ICP)**

**TSS** _____ mg/L **TPH** _____ mg/L **VOC** _____ mg/L

## UPSTREAM INVESTIGATION

AAA038

**Location**

small amounts of iron bacteria reason for chlorine detection was due to concrete cutting upstream

**Comments / Actions taken**

# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID** 53 B **Monitoring Location** AAA038

**Date** 9/18/13 **Time** 1335

## SITE DESCRIPTION

**Receiving water:** Willamette River Columbia Slough Johnson Creek Columbia River

**Dominant land use:** Commercial/Industrial Residential

**Sample / Inspection point:** Outfall Manhole

**Flow observation:** Yes No Outfall submerged Manhole standing water

## FIELD ANALYSIS

**pH** (<5; >9) _____

**Temperature** (>18) _____°C

**Conductivity** (>500 µS/cm) _____ µS/cm

**Dissolved Oxygen** (<5) _____ mg/L

**Residual chlorine (14)** (> 0.1) _____ mg/L

**Ammonia (05)** (>0.5) _____mg/L

**Potassium (83)** (>10) _____ mg/L

**Hardness (43)** (20) _____ mg/L

**Turbidity (98)** (10 NTU) _____ FAU

Lab Sample Collected ☐

## LAB ANALYSIS

**E. coli** (>1,000) _____ MPN per 100/ml

**Cu** _____ µg/L **Pb** _____ µg/L **Zn** _____ µg/L **Total Metals (ICP)**

## UPSTREAM INVESTIGATION

**Location**

**Comments / Actions taken** NEF

# City of Portland
# Illicit Discharge Elimination Program
# Outfall Inspection Form

## GENERAL INFORMATION

**Outfall ID** 53 B **Monitoring Location** AAA038

**Date** 10/4/13 **Time** 1015

## SITE DESCRIPTION

**Receiving water:** Willamette River Columbia Slough Johnson Creek Columbia River

**Dominant land use:** Commercial/Industrial Residential

**Sample / Inspection point:** Outfall Manhole

**Flow observation:** Yes No Outfall submerged Manhole standing water

## FIELD ANALYSIS

**pH** (<5; >9) _____

**Temperature** (>18) _____°C

**Conductivity** (>500 µS/cm) _____ µS/cm

**Dissolved Oxygen** (<5) _____ mg/L

**Residual chlorine (14)** (> 0.1) _____ mg/L

**Ammonia (05)** (>0.5) _____mg/L

**Potassium (83)** (>10) _____ mg/L

**Hardness (43)** (20) _____ mg/L

**Turbidity (98)** (10 NTU) _____ FAU

## LAB ANALYSIS

☐ **E. coli** (>1,000) _____ MPN per 100 mL

☐ **Total Metals (ICP)**
**Cu** _____ µg/L **Pb** _____ µg/L **Zn** _____ µg/L

## UPSTREAM INVESTIGATION

**Location**

**Comments / Actions taken** NEF