

# STORM WATER GENERAL PERMIT ADDITIONAL MONITORING REQUIREMENTS

The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 001

DATE OF STORM EVENT SAMPLED: 6-11-10

DURATION OF EVENT: ~20 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 8 days

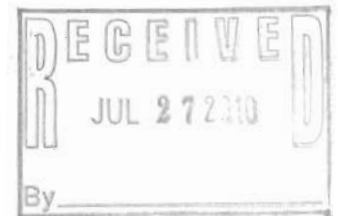
ESTIMATE OF TOTAL VOLUME DISCHARGED: 720 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

Debra Woosten  
Printed Name of Official

Debra Woosten  
Signature

6-11-10  
Date



# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1006010041  
 Customer Name : CATERPILLAR, INC. - OUTFALL 001  
 Customer/Permit No. : 2681 / AR0051454  
 Report Date : 06/22/10

Sample Date : 06/11/10  
 Sample Time : 0913  
 Sample Type : GRAB SWATER  
 Sample From : OUTFALL 001

Collected By: DBW  
 Delivery By : DBW  
 Work Order :  
 Purchase Order :

| Analysis |         | Laboratory Analysis |         | Quality Assurance |          |                |                 |                     |
|----------|---------|---------------------|---------|-------------------|----------|----------------|-----------------|---------------------|
| Date     | Time By | Parameter           | Result  | Notes             | Quantity | Method         | Precision % RPD | Accuracy % Recovery |
| 06/11    | 1320    | NTR                 | 40.90   |                   |          | EPA 410.4      | 0.00            | 93.2                |
| 06/19    | 1000    | BGM                 | < 1.400 |                   |          | EPA 1664 A     | 6.31            | 90.1                |
| 06/11    | 0913    | DBW                 | 7.7     |                   |          | SM 18 4500 H+B | 1.29            | N/A                 |
| 06/11    | 1105    | NTR                 | 39.00   |                   |          | SM 18th 2540 D | 3.89            | N/A                 |

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature   
 Environmental Services Co., Inc.

**STORM WATER GENERAL PERMIT**  
**ADDITIONAL MONITORING REQUIREMENTS**

The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 002

DATE OF STORM EVENT SAMPLED: 6-11-10

DURATION OF EVENT: ~ 20 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 8 days

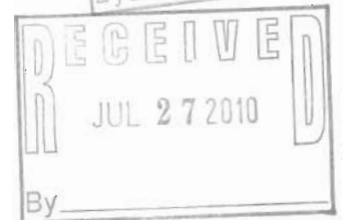
ESTIMATE OF TOTAL VOLUME DISCHARGED: > 20 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

Debra Woosten  
Printed Name of Official

Debra Woosten  
Signature

6-11-10  
Date



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 13715 West Markham  
 Little Rock, AR 72211  
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 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479) 750-1170 Fax (479) 750-1172

Control Number: 1006010042      Sample Date: 06/11/10      Collected By: DBW  
 Customer Name: CATERPILLAR, INC. - OUTFALL 002      Sample Time: 0925      Delivery By: DBW  
 Customer Number: 2682      Sample Type: GRAB SWATER      Work Order:  
 Report Date: 06/22/10      Sample From: OUTFALL 002      Purchase Order:

### Laboratory Analysis

| Analysis |      | Parameter | Result                    | Notes | Quantity     | Method         | Precision<br>& RPD | Quality Assurance<br>& Recovery |
|----------|------|-----------|---------------------------|-------|--------------|----------------|--------------------|---------------------------------|
| 06/11    | 1320 | NTR       | Chemical Oxygen Demand, L |       | 28.50 mg/L   | EPA 410.4      | 0.00               | 93.2                            |
| 06/11    | 1000 | BGM       | Oil & Grease, Total       |       | < 1.400 mg/L | EPA 1664 A     | 6.31               | 90.1                            |
| 06/11    | 0925 | DBW       | PH                        |       | 6.9 S.U.     | SM 18 4500 H+B | 1.29               | N/A                             |
| 06/11    | 1105 | NTR       | Solids, Total Suspended   |       | 128.00 mg/L  | SM 18th 2540 D | 3.89               | N/A                             |

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature   
 Environmental Services Co., Inc.



Caterpillar Inc.

9201 Faulkner Lake Road  
North Little Rock, AR

Permits Enforcement Branch  
Water Division  
Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, AR 72118

RE: REPORT OF NON-COMPLIANCE with Effluent Limitations Permit

REPORTING PERIOD: Apr- Jun 2010

Non-compliant outfalls 003 and 004

Parameters:

pH: NPDES min: 6      NPDES Max 9      Result reported 9.1

Date of excursions: 5-20-2010

Date reported to ADEQ: 6:10-2010 (Date of notified reported results)

Dear Permit Enforcement Branch:

On the above date outfalls 003 and 004 of the Caterpillar property had a reported pH 9.1 (both outfalls 003 and 004). We discovered this upon receiving the outfall sampling report from Environmental Services Company Inc. on June 10, 2010. We contacted ADEQ on the date we discovered the non-compliance, and spoke with Jennifer Harmon; a note was made in our file dated June 10, 2010. Due to the construction in the area we feel that the non-compliance of the outfalls is due to on going construction/equipment in the area, and the dumping of floor water sweepings that contain cleaner solution. We have ceased the dumping of any floor water sweepings containing cleaner solution. We have attained containment for this water, provided by our general contractor. We have also cleaned the area of construction equipment to prevent ongoing non-compliance issues of these outfalls.

Respectfully submitted,

Katina Stephens  
Environmental Health and Safety Manger

**STORM WATER GENERAL PERMIT**  
**ADDITIONAL MONITORING REQUIREMENTS**

The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 003

DATE OF STORM EVENT SAMPLED: May 20, 2010

DURATION OF EVENT: 8 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 3 days

ESTIMATE OF TOTAL VOLUME DISCHARGED: < 8 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

Deena Thurston  
Printed Name of Official

Deena Thurston  
Signature

7-21-10  
Date



# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1005010454      Sample Date: 05/20/10  
 Customer Name: CATERPILLAR, INC. - UTFALL 003      Sample Time: 1615  
 Customer Number: 2683      Sample Type: GRAB STORMWATER  
 Report Date: 06/08/10      Sample From: UTFALL 3

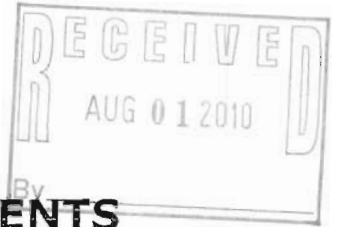
Collected By: SLF  
 Delivery By: SLF  
 Work Order:  
 Purchase Order:

| Analysis |         | Laboratory Analysis |                           | Quality Assurance |          |                |                 |                     |
|----------|---------|---------------------|---------------------------|-------------------|----------|----------------|-----------------|---------------------|
| Date     | Time By | Parameter           | Result                    | Notes             | Quantity | Method         | Precision % RPD | Accuracy % Recovery |
| 05/22    | 1220    | NTR                 | Chemical Oxygen Demand, L |                   |          | EPA 410.4      | 1.07            | 92.7                |
| 05/22    | 1530    | NTR                 | Oil & Grease, Total       | < 1.400 mg/L      |          | EPA 1664 A     | 1.01            | 92.2                |
| 05/20    | 1615    | SLF                 | pH                        | 9.1 S.U.          | (b)      | SM 18 4500 H+B | 1.09            | N/A                 |
| 05/21    | 1110    | NTR                 | Solids, Total Suspended   | 17.00 mg/L        |          | SM 18th 2540 D | 0.00            | N/A                 |
| 05/20    | 1615    | SLF                 | Temperature               | 22.50 °C          |          | SM 18th 2550 B | 1.54            | N/A                 |

\* QA data shown is from a different sample or standard on the same date.  
 (b) Exceeds Permit Limits for Maximum Concentration

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature *Mel J. Papp*  
 Environmental Services Co., Inc.



**STORM WATER GENERAL PERMIT**  
**ADDITIONAL MONITORING REQUIREMENTS**

The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 004

DATE OF STORM EVENT SAMPLED: May 20, 2010

DURATION OF EVENT: 8 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 3 days

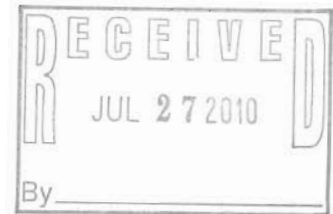
ESTIMATE OF TOTAL VOLUME DISCHARGED: < 8 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

Deena Thurston  
Printed Name of Official

Deena Thurston  
Signature

7-21-10  
Date





# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1005010455  
 Customer Name : CATERPILLAR, INC. - OUTFALL 004  
 Customer Number : 2684  
 Report Date : 06/08/10

Sample Date : 05/20/10  
 Sample Time : 1600  
 Sample Type : GRAB STORMWATER  
 Sample From : OUTFALL 4

Collected By: SLF  
 Delivery By : SLF  
 Work Order :  
 Purchase Order :

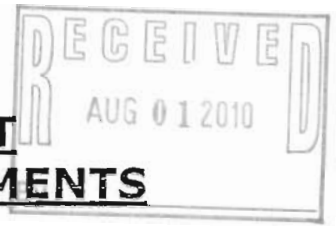
| Analysis |          | Laboratory Analysis       |             | Quality Assurance |          |                |                 |                     |
|----------|----------|---------------------------|-------------|-------------------|----------|----------------|-----------------|---------------------|
| Date     | Time By  | Parameter                 | Result      | Notes             | Quantity | Method         | Precision % RPD | Accuracy % Recovery |
| 05/22    | 1220 NTR | Chemical Oxygen Demand, L | 206.00 mg/L |                   |          | EPA 410.4      | 1.07            | 92.7 *              |
| 05/22    | 1530 NTR | Oil & Grease, Total       | 1.900 mg/L  |                   |          | EPA 1664 A     | 1.01            | 92.2 *              |
| 05/20    | 1600 SLF | pH                        | 9.1 S.U.    |                   |          | SM 18 4500 H+B | 1.09            | N/A                 |
| 05/21    | 1110 NTR | Solids, Total Suspended   | 137.00 mg/L |                   |          | SM 18th 2540 D | 0.00            | N/A *               |
| 05/20    | 1600 SLF | Temperature               | 26.20 °C    |                   |          | SM 18th 2550 B | 1.54            | N/A                 |

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Signature *Walt J. Perry*  
 Environmental Services Co., Inc.

**STORM WATER GENERAL PERMIT**  
**ADDITIONAL MONITORING REQUIREMENTS**



The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 005

DATE OF STORM EVENT SAMPLED: May 20, 2010

DURATION OF EVENT: 8 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 3 days

ESTIMATE OF TOTAL VOLUME DISCHARGED: < 8 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

Deena Thuston  
Printed Name of Official

Deena Thuston  
Signature

7-21-10  
Date

# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1005010456  
 Customer Name : CATERPILLAR, INC. - OUTFALL 005  
 Customer Number : 2685  
 Report Date : 06/08/10

Sample Date : 05/20/10  
 Sample Time : 1545  
 Sample Type : GRAB STORMWATER  
 Sample From : OUTFALL 5

Collected By: SLF  
 Delivery By : SLF  
 Work Order :  
 Purchase Order :

### Laboratory Analysis

| Date  | Time | By  | Parameter                 | Result      | Notes | Quantity | Method         | Quality Assurance<br>Precision<br>% RPD | Assurance<br>Accuracy<br>% Recovery |
|-------|------|-----|---------------------------|-------------|-------|----------|----------------|---|-------------------------------------|
| 05/22 | 1220 | NTR | Chemical Oxygen Demand, L | 43.60 mg/L  |       |          | EPA 410.4      | 1.07                                    | 92.7 *                              |
| 05/22 | 1530 | NTR | Oil & Grease, Total       | 2.400 mg/L  |       |          | EPA 1664 A     | 1.01                                    | 92.2 *                              |
| 05/20 | 1545 | SLF | pH                        | 8.7 S.U.    |       |          | SM 18 4500 H+B | 1.09                                    | N/A *                               |
| 05/21 | 1110 | NTR | Solids, Total Suspended   | 113.00 mg/L |       |          | SM 18th 2540 D | 0.00                                    | N/A *                               |
| 05/20 | 1545 | SLF | Temperature               | 23.70 °C    |       |          | SM 18th 2550 B | 1.54                                    | N/A *                               |

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

  
 Environmental Services Co., Inc.

# Environmental Services Company, Inc.

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 13715 West Markham  
 Little Rock, AR 72211  
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Northwest Arkansas Branch  
 1107 Century Avenue  
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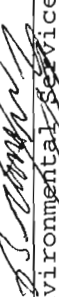
Control Number: 1006010043      Sample Date : 06/11/10      Collected By: DBW  
 Customer Name : CATERPILLAR, INC. - OUTFALL 006      Sample Time : 0936      Delivery By : DBW  
 Customer Number : 2686      Sample Type : GRAB SWATER      Work Order :  
 Report Date : 06/22/10      Sample From : OUTFALL 006      Purchase Order :

### Laboratory Analysis

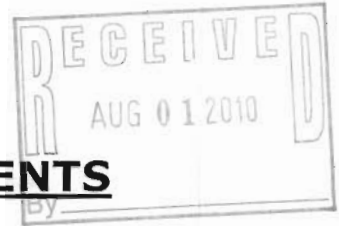
| Analysis |          | Result                    |              | Notes | Quantity | Method         | Quality Assurance |                     |
|----------|----------|---------------------------|--------------|-------|----------|----------------|-------------------|---------------------|
| Date     | Time By  | Parameter                 | Result       |       |          |                | Precision % RPD   | Accuracy % Recovery |
| 06/11    | 1320 NTR | Chemical Oxygen Demand, L | 59.80 mg/L   |       |          | EPA 410.4      | 0.00              | 93.2 *              |
| 06/19    | 1000 BGW | Oil & Grease, Total       | < 1.400 mg/L |       |          | EPA 1664 A     | 6.31              | 90.1 *              |
| 06/11    | 0936 DBW | pH                        | 7.3 S.U.     |       |          | SM 18 4500 H+B | 1.29              | N/A *               |
| 06/11    | 1105 NTR | Solids, Total Suspended   | 35.00 mg/L   |       |          | SM 18th 2540 D | 3.89              | N/A *               |

\* QA data shown is from a different sample or standard on the same date.

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Signature   
 Environmental Services Co., Inc.

**STORM WATER GENERAL PERMIT**  
**ADDITIONAL MONITORING REQUIREMENTS**



The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 006

DATE OF STORM EVENT SAMPLED: 6-11-10

DURATION OF EVENT: ~20 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 8 days

ESTIMATE OF TOTAL VOLUME DISCHARGED: 720 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

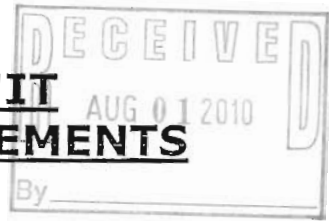
Debra Woosley  
Printed Name of Official

Debra Woosley  
Signature

6-11-10  
Date



**STORM WATER GENERAL PERMIT**  
**ADDITIONAL MONITORING REQUIREMENTS**



The following monitoring requirements shall be in addition to those on the Discharge Monitoring Report (DMR):

OUTFALL NUMBER 007

DATE OF STORM EVENT SAMPLED: May 20, 2010

DURATION OF EVENT: 8 hours

ESTIMATE OF RAINFALL EVENT: 1 inches

TIME SINCE LAST MEASURABLE EVENT (i.e., > 0.1 in.) 3 days

ESTIMATE OF TOTAL VOLUME DISCHARGED: < 8 gallons

By signature below, I certify that I have read and understand the conditions of the certification on the DMR form and described in further detail in Part III.B.9 of the general storm water permit. Furthermore, I believe that the information submitted in these additional monitoring requirements meets all conditions of such certification.

Deena Thuston  
Printed Name of Official

Deena Thuston  
Signature

7-21-10  
Date

