

RESPONSE ENGINEERING LTD

OPERATIONS & MAINTENANCE DIVISION

MONTHLY STATUS REPORT FOR.
KILBRITTAIN WWTP

PERIOD: May 2012

DATE OF ISSUE: 08/06/2012

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MONTHLY STATUS REPORT FOR

KILBRITTAIN WWTP



Response Engineering Ltd

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PROJECT NUMBER:

MONTH: May 2012

Client: Cork County Council

Site: Kilbrittain

Project Manager Authorisation: Edel Brennan

Date: 08/06/2012

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2.0 INTRODUCTION

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APPENDICIES

Appendix A: Flow Readings

Appendix B: Results Summary

Appendix C: Graphs

Appendix D: Hours Run Schedule

Appendix E: Weather Record

Appendix F: Facility Maintenance

Appendix G: Proposed Additional Works

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1. EXECUTIVE SUMMARY

The plant was in full compliance with all parameters.

2. INTRODUCTION

This report deals with the month of May 2012, from 1st – 31st.

3. RESULTS

Refer to Appendix A & B.

3.1 Flows

The average flow to the plant was 425m³/day.

3.2 PE Comparison

The hydraulic PE of the plant was 2127m³/day, plant is designed for 800. The PE BOD of the plant was 2127, plant is designed for 800.

3.3 Aeration Tank

The average MLSS for the month was 5109mg/l.

3.4 Inlet & Final Effluent Results

All effluent results are compliant for the month of May.

4. COMMENTS ON ANALYSIS RESULTS

The plant is significantly biologically under loaded in terms of BOD and under loaded in terms of flow.

5. PROCESS OPERATIONAL ISSUES

There is nothing to report.

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6. BREAKDOWNS & NON-ROUTINE MAINTENANCE

Inlet Pump No.1 needs a new impellor.
RAS/WAS pump no. 2 tripping. It was sent off site for repair on 4/01/2012.

7. HEALTH & SAFETY

There is nothing to report.

8. COMPLAINTS

There is nothing to report.

9. ALARM CALLOUTS & SITE INCIDENTS

There is nothing to report.

10. ANALYSIS RESULTS FOR THE EPA

The plant discharge parameters were:

LICENCE REQUIREMENTS		MONTH AVERAGES
COD	125mg/l	61mg/l
BOD	25mg/l	18mg/l
SS	30mg/l	21mg/l
TP	2mg/l	1.20mg/l

11. SLUDGE REMOVAL

16th May, Sludge removed from site by Countywide Drain Services Ltd.

12. FACILITY MAINTENANCE

No issues to report.

13. FINANCIAL REVIEW

Monthly Application submitted, in accordance with the contract requirements for May 2012.

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APPENDIX A.

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APPENDIX B.

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