

**Boral Construction Materials
Materials Technical Services**

Unit 4, 3-5 Gibbon Road
Baulkham Hills NSW 2153 Australia
PO Box 400, Winston Hills NSW 2153

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www.boral.com.au

Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/18

REQUEST No.: 78627

TEST PROCEDURE: APHA 4500 H+B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 C - Total Dissolved Solids Dried at 180°C
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 205344
Date Sampled: 01/06/18
Date Received: 04/06/18
Sample Description: Water –
Hitchcock Rd
Little Cattai Creek

Field No.: 3

TEST RESULTS

pH	6.0
Turbidity (NTU)	2.8
Oil & Grease (mg/L)*1	0.1
Total Dissolved Solids (mg/L)	106
Total Suspended Solid (mg/L)	5.0
Conductivity (µS/cm)	189
Sample submitted by the Client.	

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Nanthini Selvadurai

Date 21-07-18

Serial No. 170092

NATA Accredited Laboratory

Accredited for compliance with ISO/IEC 17025

Number: 9968



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Test Report

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FILE No.: 250/18

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APHA 2540 C - Total Dissolved Solids Dried at 180°C
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 205343
Date Sampled: 01/06/18
Date Received: 04/06/18
Sample Description: Water -
Downstream - Lot
198
Field No.: 2

TEST RESULTS

pH 7.3
Turbidity (NTU) 2.3
Oil & Grease (mg/L)*1 < 0.1
Total Dissolved Solids (mg/L) 124
Total Suspended Solid (mg/L) 3.5
Conductivity (µS/cm) 202
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Nanthini Selvadurai

Date 27-07-18

Serial No.

170091

NATA Accredited Laboratory

Number: 9968

Accredited for compliance with ISO/IEC 17025



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Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/18

REQUEST No.: 77238

TEST PROCEDURE: APHA 4500 H+B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 201726
Date Sampled: 01/03/18
Date Received: 01/03/18
Sample Description: Water –
Hitchcock Rd
Little Cattai Creek
– 8.30am

Field No.: 3

TEST RESULTS

pH 6.9
Turbidity (NTU) 8.0
Oil & Grease (mg/L)*1 0.1
Total Suspended Solid (mg/L) 10
Conductivity (µS/cm) 217
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory N.S. Nanthini Selvadurai

Date 03-05-18 Serial No. 167484

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory

Number: 9968

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Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/18

REQUEST No.: 77238

TEST PROCEDURE: APHA 4500 H⁺B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 201725
Date Sampled: 01/03/18
Date Received: 01/03/18
Sample Description: Water -
Downstream - Lot
198
Field No.: 2

TEST RESULTS

pH 7.0
Turbidity (NTU) 2.1
Oil & Grease (mg/L)*1 0.2
Total Suspended Solid (mg/L) 6.0
Conductivity (µS/cm) 296
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Nanthini Selvadurai

Date 03-05-18

Serial No.

167483

NATA Accredited Laboratory

Accredited for compliance with ISO/IEC 17025

Number: 9968

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Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/17

REQUEST No.: 76122

TEST PROCEDURE: APHA 4500 H⁺B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 199020
Date Sampled: 1/12/2017
Date Received: 1/12/2017
Sample Description: Water -
Downstream - Lot
198
Field No.: 2

TEST RESULTS

pH 6.7
Turbidity (NTU) 6.0
Oil & Grease (mg/L)*1 0.3
Total Suspended Solid (mg/L) 1.6
Conductivity (µS/cm) 183
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Cynthia Tjiam

Date 08-12-2017 Serial No. 163380

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory

Number: 9968



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Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/17

REQUEST No.: 74736

TEST PROCEDURE: APHA 4500 H⁺B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 196015
Date Sampled: 1/09/2017
Date Received: 1/09/2017
Sample Description: Water -
Downstream -
Lot 198
Field No.: 2

TEST RESULTS

pH 6.9
Turbidity (NTU) 5.4
Oil & Grease (mg/L)*1 0.1
Total Suspended Solid (mg/L) 2.0
Conductivity (µS/cm) 188
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Cynthia Tjiam

Date 18-09-2017 Serial No. 161050

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory

Number: 9968



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Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/18

REQUEST No.: 78627

TEST PROCEDURE: APHA 4500 H+B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 C - Total Dissolved Solids Dried at 180°C
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 205342
Date Sampled: 01/06/18
Date Received: 04/06/18
Sample Description: Water - Pit 4
Causeway
Crossing -
11:15am

Field No.: 1

TEST RESULTS

pH 7.8
Turbidity (NTU) 24
Oil & Grease (mg/L)*1 0.1
Total Dissolved Solids (mg/L) 589
Total Suspended Solids (mg/L) 13
Conductivity (µS/cm) 256
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

N.S.

Nanthini Selvadurai

Date 21-07-18

Serial No.

170090

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory

Number: 9968

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FILE No.: 250/18

REQUEST No.: 77238

Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

TEST PROCEDURE: APHA 4500 H⁺B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 201724
Date Sampled: 01/03/18
Date Received: 01/03/18
Sample Description: Water - Pit 4
Causeway
Crossing -
11:15am

Field No.: 1

TEST RESULTS

pH 6.6
Turbidity (NTU) 8
Oil & Grease (mg/L)*1 0.1
Total Suspended Solid (mg/L) 12
Conductivity (µS/cm) 614
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Nanthini Selvadurai

Date 08-05-18

Serial No.

167482

NATA Accredited Laboratory

Number: 9968

Accredited for compliance with ISO/IEC 17025

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Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

FILE No.: 250/17

REQUEST No.: 76122

TEST PROCEDURE: APHA 4500 H⁺B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 199019
Date Sampled: 1/12/2017
Date Received: 1/12/2017
Sample Description: Water - Pit 4
Causeway
Crossing

Field No.: 1

TEST RESULTS

pH 7.3
Turbidity (NTU) 11
Oil & Grease (mg/L)*1 0.4
Total Suspended Solid (mg/L) 6.8
Conductivity (µS/cm) 259
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.

Cynthia Tjiam

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FILE No.: 250/17

Test Report

CLIENT: P.F. Formation

ADDRESS: 1774 Wisemans Ferry Road MAROOTA NSW 2756

PROJECT: Testing of Water from P.F. Formation.

REQUEST No.: 74736

TEST PROCEDURE: APHA 4500 H+B - pH Value - Electrometric Method
APHA 2130 B - Turbidity - Nephelometric Method
APHA 5520 C - Oil & Grease - Partition-Infrared Method
APHA 2540 D - Total Suspended Solids Dried at 103-105 °C
APHA 2510 B - Conductivity - Laboratory Method

Laboratory Sample No.: 196014
Date Sampled: 1/09/2017
Date Received: 1/09/2017
Sample Description: Water - Pit 4
Causeway
Crossing
Field No.: 1

TEST RESULTS

pH 7.6
Turbidity (NTU) 20
Oil & Grease (mg/L)*1 0.1
Total Suspended Solid (mg/L) 13
Conductivity (µS/cm) 397
Sample submitted by the Client.

NOTE:

*1 Solvent used in the determination of Solvent Extractable Matter for Oil & Grease analysis: Polychlorotrifluoroethylene S316.

J. Graham, Q.C. File, Mat. File, File.



Approved Signatory

Cynthia Tjiam

Date 18-09-2017

Serial No. 16 1049

NATA Accredited Laboratory

Number: 9968

Accredited for compliance with ISO/IEC 17025