

**Benedict Industries Pty Ltd**

Jan-22

**Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171****EPA Licence No: 1924****Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	3.9	3.9	3.9
Total Suspended Solids	mg/L	50	5.0	5.0	5.0
Turbidity	NTU	50	4.1	4.1	4.1

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
14/01/2022	pH	pH	6 - 8.5	3.9	N*
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	4.1	N

\*limits do not apply when rainfall is more than 70.2mm over 5 days

**Benedict Industries Pty Ltd**

Feb-22

**Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171****EPA Licence No: 1924****Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	4.4	7.0	6.4
Total Suspended Solids	mg/L	50	14.0	40.0	20.8
Turbidity	NTU	50	8.2	44.5	21.8

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
23/02/2022	pH	pH	6 - 8.5	4.4	N*
	TSS	mg/L	50	23.0	N
	Turbidity	NTU	50	8.2	N
24/02/2022	pH	pH	6 - 8.5	7.0	N
	TSS	mg/L	50	17.0	N
	Turbidity	NTU	50	21.2	N
25/02/2022	pH	pH	6 - 8.5	6.8	N
	TSS	mg/L	50	14.0	N
	Turbidity	NTU	50	19.1	N
26/02/2022	pH	pH	6 - 8.5	6.8	N
	TSS	mg/L	50	16.0	N
	Turbidity	NTU	50	19.4	N
27/02/2022	pH	pH	6 - 8.5	6.7	N
	TSS	mg/L	50	15.0	N*
	Turbidity	NTU	50	18.6	N*
28/02/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	40.0	N*
	Turbidity	NTU	50	44.5	N*

\*limits do not apply when rainfall is more than 70.2mm over 5 days

**Benedict Industries Pty Ltd**

Mar-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	4.9	7.5	6.5
Total Suspended Solids	mg/L	50	5.0	86.0	27.8
Turbidity	NTU	50	1.9	93.6	33.2

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
1/03/2022	pH	pH	6 - 8.5	6.4	N
	TSS	mg/L	50	45.0	N
	Turbidity	NTU	50	39.4	N
2/03/2022	pH	pH	6 - 8.5	6.4	N
	TSS	mg/L	50	39.0	N
	Turbidity	NTU	50	40.3	N
3/03/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	41.0	N
	Turbidity	NTU	50	39.5	N
4/03/2022	pH	pH	6 - 8.5	6.7	N
	TSS	mg/L	50	44.0	N
	Turbidity	NTU	50	54.6	N*
5/03/2022	pH	pH	6 - 8.5	7.5	N
	TSS	mg/L	50	78.0	N*
	Turbidity	NTU	50	92.7	N*
6/03/2022	pH	pH	6 - 8.5	7.3	N
	TSS	mg/L	50	83.0	N*
	Turbidity	NTU	50	90.0	N*
7/03/2022	pH	pH	6 - 8.5	7.2	N
	TSS	mg/L	50	86.0	N*
	Turbidity	NTU	50	93.6	N*
8/03/2022	pH	pH	6 - 8.5	6.7	N
	TSS	mg/L	50	23.0	N
	Turbidity	NTU	50	48.3	N
9/03/2022	pH	pH	6 - 8.5	6.2	N
	TSS	mg/L	50	23.0	N
	Turbidity	NTU	50	50.2	N*
10/03/2022	pH	pH	6 - 8.5	7.5	N
	TSS	mg/L	50	30.0	N
	Turbidity	NTU	50	58.6	N
11/03/2022	pH	pH	6 - 8.5	6.5	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	1.9	N
16/03/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	4.9	N
17/03/2022	pH	pH	6 - 8.5	6.7	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	5.6	N
19/03/2022	pH	pH	6 - 8.5	6.3	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	8.5	N
20/03/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	4.8	N
25/03/2022	pH	pH	6 - 8.5	6.2	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	6.8	N
26/03/2022	pH	pH	6 - 8.5	5.3	N*
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	2.4	N
27/03/2022	pH	pH	6 - 8.5	6.3	N
	TSS	mg/L	50	12.0	N
	Turbidity	NTU	50	9.8	N
28/03/2022	pH	pH	6 - 8.5	4.9	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	7.1	N
29/03/2022	pH	pH	6 - 8.5	6.3	N
	TSS	mg/L	50	12.0	N
	Turbidity	NTU	50	5.0	N
30/03/2022	pH	pH	6 - 8.5	6.4	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	11.6	N
31/03/2022	pH	pH	6 - 8.5	5.8	N*
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	11.5	N

\*limits do not apply when rainfall is more than 70.2mm over 5 days

**Benedict Industries Pty Ltd**

Apr-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	6.2	8.1	6.8
Total Suspended Solids	mg/L	50	5.0	18.0	6.9
Turbidity	NTU	50	3.3	26.9	12.6

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
1/04/2022	pH	pH	6 - 8.5	6.2	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	9.9	N
7/04/2022	pH	pH	6 - 8.5	6.2	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	10.6	N
8/04/2022	pH	pH	6 - 8.5	6.3	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	11.2	N
12/04/2022	pH	pH	6 - 8.5	8.1	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	3.3	N
13/04/2022	pH	pH	6 - 8.5	8.0	N
	TSS	mg/L	50	18.0	N
	Turbidity	NTU	50	26.9	N
21/04/2022	pH	pH	6 - 8.5	6.4	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	7.4	N
22/04/2022	pH	pH	6 - 8.5	6.5	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	19.0	N

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:**

*Monitoring Point 1:*

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	6.00	7.11	6.44
Total Suspended Solids	mg/L	50	5	24	5
Turbidity	NTU	50	5	29	13

**Individual Results:**

*Monitoring Point 1:*

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
2/05/2022	pH	pH	5 - 8.5	7.1	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	4.7	N
12/05/2022	pH	pH	6 - 8.5	6.2	N
	TSS	mg/L	50	18.0	N
	Turbidity	NTU	50	19.5	N
13/05/2022	pH	pH	6 - 8.5	6.0	N
	TSS	mg/L	50	<5	N
	Turbidity	NTU	50	5.6	N
23/05/2022	pH	pH	6 - 8.5	7.0	N
	TSS	mg/L	50	24.0	N
	Turbidity	NTU	50	29.1	N
24/05/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	16.0	N
	Turbidity	NTU	50	6.3	N
25/05/2022	pH	pH	6 - 8.5	6.5	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	14.3	N

Monitoring Requirements:

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

Location of Monitoring Points:

Monitoring Point 1:

Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

Summary of Results:

Monitoring Point 1:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	-	-	-
Total Suspended Solids	mg/L	50	-	-	-
Turbidity	NTU	50	-	-	-

Individual Results:

Monitoring Point 1:

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
No discharge events during period					

**Benedict Industries Pty Ltd**

Jul-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	5.65	6.83	6.50
Total Suspended Solids	mg/L	50	24	84	50
Turbidity	NTU	50	12	84	45

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
2/07/2022	pH	pH	6 - 8.5	5.7	N*
	TSS	mg/L	50	34.0	N
	Turbidity	NTU	50	11.7	N
3/07/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	76.0	N*
	Turbidity	NTU	50	84.4	N*
4/07/2022	pH	pH	6 - 8.5	6.3	N
	TSS	mg/L	50	84.0	N*
	Turbidity	NTU	50	NT	NT**
5/07/2022	pH	pH	6 - 8.5	6.6	N
	TSS	mg/L	50	24.0	N
	Turbidity	NTU	50	35.6	N
6/07/2022	pH	pH	6 - 8.5	6.7	N
	TSS	mg/L	50	70.0	N*
	Turbidity	NTU	50	73.0	N*
7/07/2022	pH	pH	6 - 8.5	6.8	N
	TSS	mg/L	50	27.0	N
	Turbidity	NTU	50	26.0	N
8/07/2022	pH	pH	6 - 8.5	6.8	N
	TSS	mg/L	50	36.0	N
	Turbidity	NTU	50	39.7	N

\*limits do not apply when rainfall is more than 70.2mm over 5 days  
NT\*\* due to lab error

**Benedict Industries Pty Ltd**

Aug-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	-	-	-
Total Suspended Solids	mg/L	50	-	-	-
Turbidity	NTU	50	-	-	-

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
9/08/2022	pH	pH	6 - 8.5	6.2	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	2.6	N



**Benedict Industries Pty Ltd**

Sep-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	6.88	7.15	7.02
Total Suspended Solids	mg/L	50	5	5	5
Turbidity	NTU	50	0	0	0

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
28/09/2022	pH	pH	6 - 8.5	6.9	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	0.1	N
29/09/2022	pH	pH	6 - 8.5	7.2	N
	TSS	mg/L	50	5.0	N
	Turbidity	NTU	50	0.2	N

**Benedict Industries Pty Ltd**

Oct-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

**Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	6.28	6.42	6.35
Total Suspended Solids	mg/L	50	14	23	19
Turbidity	NTU	50	8	11	10

**Individual Results:****Monitoring Point 1:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
6/10/2022	pH	pH	6 - 8.5	6.3	N
	TSS	mg/L	50	23.0	N
	Turbidity	NTU	50	11.5	N
7/10/2022	pH	pH	6 - 8.5	6.4	N
	TSS	mg/L	50	14.0	N
	Turbidity	NTU	50	7.6	N

**Benedict Industries Pty Ltd**

Nov-22

**Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171****EPA Licence No: 1924****Monitoring Requirements:**

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

**Location of Monitoring Points:**

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

**Summary of Results:****Monitoring Point 1:**

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	-	-	-
Total Suspended Solids	mg/L	50	-	-	-
Turbidity	NTU	50	-	-	-

**Individual Results:**

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
No discharge events during period					

**Monitoring Point 1:**

## Benedict Industries Pty Ltd

Dec-22

Sandy Point Quarry - Heathcote Road, Sandy Point NSW 2171

EPA Licence No: 1924

### Monitoring Requirements:

Grab samples are required to be taken daily during any discharge and tested for pH, total suspended solids and turbidity.

### Location of Monitoring Points:

Monitoring Point 1: Below Basin 3 as identified in map attached to the "Sandy Point Quarry Sediment Controls and Protocols Update December 2013."

### Summary of Results:

#### Monitoring Point 1:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples
pH	pH	6 - 8.5	-	-	-
Total Suspended Solids	mg/L	50	-	-	-
Turbidity	NTU	50	-	-	-

### Individual Results:

#### Monitoring Point 1:

Sample Date	Pollutant	Unit of Measure	100 Percentile Concentration Limit	Test Result	Exceedance (Y/N)
No discharge events during period					