

MONITORING WELL ID: MW16-02



Well Type: Groundwater Monitoring Well
 Project Location: Watson Lake Airport - AEC 32, YT
 Drilling Contractor: Omega Environmental Drilling Ltd.
 Drilling Equipment/Method: Sonic
 Well Location: Tank Farm B, MW16-C

Project Name/No.: [REDACTED]
 Client: PWGSC
 Engineer/Geologist: [REDACTED]
 Drill Date: November 10, 2016 Page: 1 of 3

| Depth (ft/m) | Symbol | Soil / Sediment Description | Sample Type | % Recovery | Sample Analyzed | Sample ID | Headspace (PID) | | | | | Well Construction | Remarks |
|--------------|--------|--|-------------|------------|-----------------|---------------|-----------------|-----|------|------|------|-------------------|----------------------|
| | | | | | | | 0 | 500 | 1000 | 1500 | 2000 | | |
| ft m | | | | | | | | | | | | | |
| -1 | | Ground Surface | | | | | | | | | | | |
| 0 | | SAND Brown to orange, fine to medium SAND with some silt, trace to no gravel. Compact, dry, staining and odours not observed. | | | | | | | | | | | |
| 1 | | SAND Brown to grey, fine to medium SAND with trace to no silt, trace gravel. Loose, dry, staining and odours not observed. | G | 100 | N | MW16-02 (0.5) | 0.6 | | | | | | Sand |
| 2 | | SAND Brown and grey SAND with some silt and traces of fine to medium gravel. Compact, moist, staining and odours not observed. | G | 100 | Y | MW16-02 (1.2) | 0.6 | | | | | | |
| 3 | | SAND Brown to grey, fine to medium SAND with some silt and trace gravel. Compact, moist, staining and odours not observed. | G | 100 | N | DUP C | | | | | | | |
| 4 | | SAND Brown to grey, fine to medium SAND with some silt and trace gravel. Compact, moist, staining and odours not observed. | | | | | | | | | | | |
| 5 | | SAND Brown to grey, fine to medium SAND with some silt and trace gravel. Compact, moist, staining and odours not observed. | | | | | | | | | | | |
| 6 | | SAND Brown to grey, fine to medium SAND with some silt and trace gravel. Compact, moist, staining and odours not observed. | | | | | | | | | | | |
| 7 | | SAND Grey, fine to medium SAND with some gravel and trace silt. Loose, dry, staining and odours not observed. | G | 100 | N | MW16-02 (2.0) | 0.7 | | | | | | Bentonite |
| 8 | | SAND Brown, fine to coarse SAND with some fine to medium gravel. Loose, dry, staining and odours not observed. | | | | | | | | | | | |
| 9 | | SAND Brown, fine to coarse SAND with some fine to medium gravel. Loose, dry, staining and odours not observed. | | | | | | | | | | | |
| 10 | | SAND Brown, fine to coarse SAND with some fine to medium gravel. Loose, dry, staining and odours not observed. | G | 140 | N | MW16-02 (3.0) | 0.4 | | | | | | |
| 11 | | SAND Brown fine to coarse SAND, some gravel and trace silt. Slightly dense, moist, odours and staining were not observed. | | | | | | | | | | | |
| 12 | | Silty SAND Brown and grey silty SAND with fine to medium gravel. Dense, compact, moist, staining and odours not observed. | G | 140 | N | MW16-02 (4.0) | 1.8 | | | | | | Well Screen and Sand |
| 13 | | Silty SAND Brown and grey silty SAND with fine to medium gravel. Dense, compact, moist, staining and odours not observed. | | | | | | | | | | | |

Date of Water Level: November 23, 2016
 Water Level (from TOC): Dry at 5.47m

Well-Borehole Diameter: 150mm (6")
 Well Casing Diameter: 50mm (2")
 Well Casing Material: Schedule 40 PVC
 Well Screen Slot Size: 10 Slot

Depth of Well (TOC): N/A

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| Depth (ft/m) | Symbol | Soil / Sediment Description | Sample Type | % Recovery | Sample Analyzed | Sample ID | Headspace (PID) | | | | | Well Construction | Remarks |
|--------------|----------|---|-------------|------------|-----------------|---------------|-----------------|-----|------|------|------|----------------------|---------|
| | | | | | | | 0 | 500 | 1000 | 1500 | 2000 | | |
| 14 | [Symbol] | Silty SAND Brown and grey silty SAND with fine to medium gravel. Dense, compact, moist, staining and odours not observed. | G | 140 | Y | MW16-02 (4.5) | 4.0 | | | | | Well Screen and Sand | |
| 15 | | Silty SAND Brown silty SAND with some fine gravel. Very compact, very dense, dry, staining and odours not observed. | G | 140 | N | MW16-02 (5.0) | 2.8 | | | | | | |
| 16 | [Symbol] | Silty SAND Dark grey silty SAND with some fine to medium gravel. Very compact, dense, dry, low to no plasticity, odours not observed. | G | 106 | N | MW16-02 (6.0) | 0.7 | | | | | Bentonite | |
| 17 | | | G | 106 | Y | MW16-02 (7.0) | 1.2 | | | | | | |
| 18 | [Symbol] | Silty SAND Dark grey silty SAND with some fine to medium gravel. Dense. Moisture, staining and odours not observed. Trace gravel below 7.0m. | G | 110 | N | MW16-02 (8.0) | 0.5 | | | | | Sand | |
| 19 | | | G | 150 | N | MW16-02 (9.0) | 0.8 | | | | | | |
| 20 | [Symbol] | SAND Brown, fine to medium SAND with trace silt, trace gravel and trace orange staining. Dense, moist, odours not observed. | G | | | | | | | | | | |

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 Well Casing Diameter: 50mm (2")
 Well Casing Material: Schedule 40 PVC
 Well Screen Slot Size: 10 Slot
 Depth of Well (TOC): N/A

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|--------------|--------|---|-------------|------------|-----------------|----------------|-----------------|-----|------|------|------|-------------------|---------|
| | | | | | | | 0 | 500 | 1000 | 1500 | 2000 | | |
| 31 | 10 | SAND Brown, fine to medium SAND with trace silt, trace gravel and trace orange staining. Dense, moist, odours not observed. | | | | | | | | | | Sand Bentonite | |
| 33 | | | G | 150 | N | MW16-02 (10.0) | 1.0 | | | | | | |
| 36 | | | G | 150 | N | MW16-02 (11.0) | 1.2 | | | | | | |
| 39 | 12 | | G | 150 | Y | MW16-02 (12.0) | 1.8 | | | | | | |
| 40 | | End of Hole | | | | | | | | | | | |
| 43 | 13 | | | | | | | | | | | | |
| 46 | 14 | | | | | | | | | | | | |

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 Depth of Well (TOC): N/A