



Surveillance Network Program and Aquatic Effects Monitoring Plan 2018

November 2018

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SNP AEMP Summary

- Sample newly completed/constructed crossings every 20-30 days
- Sample pits weekly
- Sample previously constructed crossings annually

	2014	2015	2016	2017	2018
Newly Constructed Crossings	20	19	28	5	0
Gravel Pits	3	5	7	7	7



SNP/AEMP 2018

- Annual sampling for crossings completed in 2015, 2016 and 2017
- Sampling at pits where water flowed out of pit into environment – Pits I401A, PW10, 312, 174, 177
- Sampled from May 24 to September 25, 2018



SNP/AEMP 2018 Samples Collected

- All pits and water crossings were monitored
- Water samples were collected at sites where water was flowing

Type of Sample	# of Samples Collected
Complete pit samples (all parameters)	45
Weekly pit samples (TPH, TSS, pH)	20
Water Crossing Samples (all parameters)	42
Quality Control	14



Threshold Exceedances 2014-2018

Parameter	# of Thresholds Exceeded in 2014	# of Thresholds Exceeded in 2015	# of Thresholds Exceeded in 2016	# of Thresholds Exceeded in 2017	# of Thresholds Exceeded in 2018
pH	9	9	13	2	0
Total Suspended Solids	9	12	1	8	14
Total Petroleum Hydrocarbon	0	0	0	0	0
TOTAL	18	21	14	10	14



SNP/AEMP in the Future

	2019	2020
# of water crossings requiring monthly sampling	0	0
# of water crossings requiring annual sampling	28	3
Pit sampling	Yes*	No

* Unless pits are officially reclaimed



Thank you
Questions?

