

NUNAVUT WATER BOARD	
Date:	<u>Sept. 25, 2014</u>
Exhibit No.:	<u>17</u>

**Spill Contingency Plan for
Water Supply and Sewage
Treatment Facilities
Rankin Inlet, Nunavut**

Final



Prepared for:
Department of Community and
Government Services,
Government of Nunavut

Prepared by:
Stantec Consulting Ltd.
5021 – 49 Street
Yellowknife, NT X1A 2N4

May 2014

Revision Record							
Revision	Description	Prepared By		Checked By		Approved By	
	Original	05/01/14	KD	05/05/14	PC	05/09/14	PC

SPILL CONTINGENCY PLAN FOR WATER SUPPLY AND SEWAGE TREATMENT FACILITIES RANKIN INLET, NUNAVUT

Table of Contents

1.0	INTRODUCTION	1
1.1	PURPOSE AND SCOPE	1
2.0	SITE DESCRIPTION	3
2.1	WATER SUPPLY, TREATMENT, DISTRIBUTION AND STORAGE.....	3
2.2	SEWAGE COLLECTION AND TREATMENT.....	3
2.3	POTENTIAL CONTAMINANTS	3
2.4	ADDITIONAL COPIES	4
3.0	RESPONSE ORGANIZATION	5
3.1	RESPONSE ORGANIZATION PROCEDURE	5
3.3	EMERGENCY CONTACT INFORMATION	7
4.0	REPORTING PROCEDURE.....	8
5.0	ACTION PLANS.....	9
5.1	SPILL PREVENTION	9
5.2	SPILL RESPONSE	9
5.2.1	Chlorine Gas Release.....	9
5.2.2	Fluosilicic Acid	10
5.2.3	Other Chemicals (Gasoline, diesel, sewage).....	11
5.2.4	Spills on Land.....	12
5.2.5	Spills in Water.....	13
5.3	ADDITIONAL SPILL DELINEATION OR MONITORING	13
6.0	RESOURCE INVENTORY	14
6.1	ON-SITE RESOURCES.....	14
6.1.1	Personnel	14
6.1.2	Equipment	14
6.1.3	Spill Kits	14
7.0	TRAINING AND EXERCISES.....	16
7.1	OUTLINE	16
7.2	SCHEDULE	16
8.0	REFERENCES.....	17

LIST OF TABLES

Table 2-1:	Overview of Potential Contaminants	4
Table 3-1:	Off-Site Spill Contingency Contact Information.....	7
Table 3-2:	Regulatory agencies' Spill Contingency Contact Information	7
Table 6-1:	Chlorine Gas Initial Isolation and Protective Distances.....	10

**SPILL CONTINGENCY PLAN FOR WATER SUPPLY AND SEWAGE TREATMENT FACILITIES
RANKIN INLET, NUNAVUT**

LIST OF APPENDICES

APPENDIX A FIGURESA.1

APPENDIX B NORTHWEST TERRITORIES – NUNAVUT SPILL REPORT FORM B.1

APPENDIX C 2012 EMERGENCY RESPONSE GUIDEBOOK GUIDES.....C.1

APPENDIX D MSDS SHEETS D.1