

## Contents

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## General Information

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### Report Details

**Report Year:** 2022

**Report Type(s)/Program(s):** NPRI

**Report Status:** Completed

**Submitted Date:**

**Report Creation Type:** Prepopulated

**Company Idm Id:** 53917

**Facility Idm Id:** 32278

### Company Information

**Legal Name:** Dynamix inc.

**Business Number:** 834945768

**Mailing Address:** Mobile Route 7 91 Esna Park Drive, Markham, Ontario, L3R 2S2, Canada

## Contacts

Contact Type	Name	Phone	Extension	Email	Position	Correspondence Language	Company Name
Technical Contact	Stewart Tymchuk	905-477-0900		stewart@dynamix-inc.com	Owner	English	
Certifying Official	Stewart Tymchuk	905-477-0900		stewart@dynamix-inc.com	Owner	English	
Public Contact	Stewart Tymchuk	905-477-0900		stewart@dynamix-inc.com	Owner	English	
Contractor Contact	Christina Wright	905-235-4218	701	cwright@bcxenvironmental.com	Managing Consultant, Environmental Compliance	English	BCX Environmental Consulting

## Facility Information

**Facility Name:** Markham

**Physical Address:** 7 91 Esna Park Drive, Markham, Ontario, L3R 2S2, Canada

**Latitude and longitude:** 43.827453, -79.341349

**Primary NAICS Code:** 325999

**Number of full-time employee equivalents:** 19

**Is this a portable facility?:** No

## Identifiers, Environmental Regulations, and Permit Numbers

Type of Identifier or Issuing Agency of Permit	Identifier or Permit Number
National Pollutant Release Inventory Identifier	29818

## General Reporting Questions

Do you want to report any Part 1A substances?: Yes

Do you want to report any Part 1B substances?: Yes

Is the facility subject to the Chromium Electroplating, Chromium Anodizing and Reverse Etching Regulations (SOR/2009-162)?: No

Do you want to report any Part 2 substances?: No

Did wood preservation using creosote occur at the facility, and were PAHs released, disposed of, or transferred as a result of wood preservation using creosote?: No

Do any of the following activities take place at the facility, regardless of the number of employees at the facility?: None

Do employees at the facility work a total of 20 000 hours or more AND do any of the following activities take place at the facility?: None

Do you want to report any Part 4 substances?: No

Do you want to report any Part 5 substances?: No

Does the facility have a P2 Plan?: No

Did the facility complete any pollution prevention activities in the current NPRI reporting year?: No

Did the facility operate one or more electricity generating units that had a capacity of 25 MW or more and that distributed or sold to the grid 33% or more of its potential electrical output in the calendar year?: No

## Summary of Releases, Disposals and Recycling

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### Parts 1-3 Substances

CAS RN	Substance Name	Substance Part	Releases	Releases to All Media < 1 tonnes	Disposals	Recycling	Unit	Nature of activities	Required / Voluntary / NERM Only
7647-01-0	Hydrochloric acid	1A	0.0164		0.1641		tonnes	As a formulation component	Required
7664-93-9	Sulphuric acid	1A			0.3691		tonnes	As a formulation component	Required
7697-37-2	Nitric acid	1A			0.2117		tonnes	As a formulation	Required

7697-37-2	Nitric acid	1A			0.2117		tonnes	component	Required
NA - 16	Ammonia (total)	1A			0.5048		tonnes	As a formulation component	Required
NA - 05	Cobalt (and its compounds)	1B	0.000055		0.00378		kg	As a by-product, As a formulation component	Required
NA - 19	Hexavalent chromium (and its compounds)	1B	0.00402				kg	As a formulation component	Required
NA - 20	Nonylphenol and its ethoxylates	1B			0.0272		kg	As a formulation component	Required

## Releases to Air, Water and Land

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### Releases to Air, Water and Land

CAS RN	Substance Name	Substance Part	Type	Release Category	Basis of Estimate	Detail Code	Quantity	Unit
7647-01-0	Hydrochloric acid	1A	Releases to air	Fugitive Releases	O - Engineering Estimates		0.0164	tonnes
NA - 05	Cobalt (and its compounds)	1B	Releases to air	Stack or Point Releases	E2 - Published Emission Factors		0.000055	kg
NA - 19	Hexavalent chromium (and its compounds)	1B	Releases to air	Fugitive Releases	O - Engineering Estimates		0.00402	kg

### Reasons for Change, Releases to Air and Land Comments, and Substance Release Comments

CAS RN	Substance Name	Substance Part	Reasons for Change	Nature of "Other Non-Point Releases" release comments	Nature of "Other" land release comments	Substance Release Comment
7647-01-0	Hydrochloric acid	1A	Not applicable			
7664-93-9	Sulphuric acid	1A	Not applicable			No releases
7697-37-2	Nitric acid	1A	No significant change			No releases
NA - 16	Ammonia (total)	1A	Other			No on-site releases
NA - 05	Cobalt (and its compounds)	1B	No significant change			
NA - 19	Hexavalent chromium (and its compounds)	1B	Nature of activities results in annual variation in releases/disposals/transfers			Changes in market demand
NA - 20	Nonylphenol and its ethoxylates	1B	No significant change			No on-site releases

### Parts 1-3 Substances Quarterly Percentage Breakdown

CAS RN	Substance Name	Substance Part	January - March %	April - June %	July - September %	October - December %
NA - 19	Hexavalent chromium (and its compounds)	1B	25	25	25	25
7647-01-0	Hydrochloric acid	1A	25	25	25	25
NA - 05	Cobalt (and its compounds)	1B	25	25	25	25

### On-site and Off-site Disposals

## On-site and Off-site Disposals

CAS RN	Substance Name	Substance Part	Type	Disposal Category	Basis of Estimate	Detail Code	Quantity	Unit
7647-01-0	Hydrochloric acid	1A	Off-site Disposal (excluding Tailings and Waste Rock)	Landfill	O - Engineering Estimates		0.1641	tonnes
7664-93-9	Sulphuric acid	1A	Off-site Disposal (excluding Tailings and Waste Rock)	Landfill	O - Engineering Estimates		0.3691	tonnes
7697-37-2	Nitric acid	1A	Off-site Disposal (excluding Tailings and Waste Rock)	Landfill	O - Engineering Estimates		0.2117	tonnes
NA - 16	Ammonia (total)	1A	Off-site Disposal (excluding Tailings and Waste Rock)	Landfill	O - Engineering Estimates		0.5048	tonnes
NA - 05	Cobalt (and its compounds)	1B	Off-site Disposal (excluding Tailings and Waste Rock)	Landfill	O - Engineering Estimates		0.00378	kg
NA - 20	Nonylphenol and its ethoxylates	1B	Off-site Disposal	Landfill	O - Engineering		0.0272	kg

NA - 20	Nonylphenol and its ethoxylates	1B	(excluding Tailings and Waste Rock)	Landfill	Estimates		0.0272	kg
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## Reasons for Disposal, Reasons for Change and Substance Disposal Comments

CAS RN	Substance Name	Substance Part	Reasons for Disposal	Reasons for Change	Substance Disposal Comments
7647-01-0	Hydrochloric acid	1A	Production Residues	Not applicable	
7664-93-9	Sulphuric acid	1A	Production Residues	Not applicable	
7697-37-2	Nitric acid	1A	Production Residues	Nature of activities results in annual variation in releases/disposals/transfers	Changes in market demand
NA - 16	Ammonia (total)	1A	Production Residues	Nature of activities results in annual variation in releases/disposals/transfers	Changes in market demand
NA - 05	Cobalt (and its compounds)	1B	Production Residues	Nature of activities results in annual variation in releases/disposals/transfers	Changes in market demand
NA - 19	Hexavalent chromium (and its compounds)	1B		No significant change	No disposals
NA - 20	Nonylphenol and its ethoxylates	1B	Production Residues	Nature of activities results in annual variation in releases/disposals/transfers	Changes in market demand

## Off-Site Disposal Locations

CAS RN	Substance Name	Substance Part	Disposal Category	Name	Address	Quantity	Unit
7647-01-0	Hydrochloric acid	1A	Landfill	Network Materials &	31 Golden Gate Court,	0.1641	tonnes

7647-01-0	Hydrochloric acid	1A	Landfill	Resources Inc.	Toronto Ontario, Canada	0.1641	tonnes
7664-93-9	Sulphuric acid	1A	Landfill	Network Materials & Resources Inc.	31 Golden Gate Court, Toronto Ontario, Canada	0.3691	tonnes
7697-37-2	Nitric acid	1A	Landfill	Network Materials & Resources Inc.	31 Golden Gate Court, Toronto Ontario, Canada	0.2117	tonnes
NA - 16	Ammonia (total)	1A	Landfill	Network Materials & Resources Inc.	31 Golden Gate Court, Toronto Ontario, Canada	0.5048	tonnes
NA - 05	Cobalt (and its compounds)	1B	Landfill	Network Materials & Resources Inc.	31 Golden Gate Court, Toronto Ontario, Canada	0.00378	kg
NA - 20	Nonylphenol and its ethoxylates	1B	Landfill	Network Materials & Resources Inc.	31 Golden Gate Court, Toronto Ontario, Canada	0.0272	kg

## Recycling

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### Reasons for Recycling, Reasons for Change and Substance Recycling Comments

CAS RN	Substance Name	Substance Part	Reasons for Recycling	Reasons for Change	Substance Recycling Comments
7647-01-0	Hydrochloric acid	1A		Not applicable	No recycling
7664-93-9	Sulphuric acid	1A		Not applicable	No recycling
7697-37-2	Nitric acid	1A		No significant change	No recycling
NA - 16	Ammonia (total)	1A		Other	No recycling
NA - 05	Cobalt (and its compounds)	1B		No significant change	No recycling
NA - 19	Hexavalent chromium (and its compounds)	1B		No significant change	No recycling



NA - 20	Nonylphenol and its ethoxylates	1B		No significant change	No recycling
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## Special Reports

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### Pollution Prevention Plan

**Plan was prepared or implemented for another government jurisdiction:** No

**Plan was prepared or implemented on a voluntary basis:** No

**Reasons no pollution prevention activities were completed:** Substance, process or technology alternatives are unknown or unavailable, Activities were implemented in a previous year; additional activities are either unnecessary or unfeasible at this time

## Feedback

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