

NWB Annual Report

Year being reported: 2009

License No: 2BE-FER0712 Issued Date: October 2, 2007
 Expiry Date: July 1, 2012

Project Name: Ferguson Lake Property

Licensee: Starfield Resources Inc.

Mailing Address: 130 Adelaide Street West, Suite 2210
 Toronto Ontario
 M5H 3P5

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

Same as above.

General Background Information on the Project (*optional):

Starfield Resources Inc. is an advanced exploration and emerging early stage, development company focused on its 100% owned Ferguson Lake Nickel-Copper-Cobalt-Platinum-Palladium-Rhodium property in the Kivalliq Region of Nunavut Territory, Canada. Starfield is a public company trading on the Toronto Stock Exchange under the symbol SRU.

Licence Requirements: the licensee must provide the following information in accordance with

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):	Ferguson Lake	
Water Quantity:	10	Quantity Allowable Domestic (cu.m)
	see attached	Actual Quantity Used Domestic (cu.m)
	90	Quantity Allowable Drilling (cu.m)
	see attached	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

Additional Details:

Pacto toilets are used at the Ferguson Lake New Camp. The waste is then incinerated. In future, All combustible waste is incinerated. Non-combustible waste is reused or repurposed. Starfield participates in the recycling program in Rankin Inlet.

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

There were no spills reported in 2009.

Revisions to the Spill Contingency Plan

Additional Details:

There were no revisions to the Spill Contingency Plan in 2009.

Revisions to the Abandonment and Restoration Plan

Additional Details:

There were no revisions to the Abandonment and Restoration Plan in 2009.

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

No reclamation work was conducted in 2009.

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Additional Details:

See the spreadsheet attached with this submission.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Additional Details:

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Results of any additional sampling and/or analysis that was requested by an Inspector

Additional Details: (date of request, analysis of results, data attached, etc)

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Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

Additional Details: (Attached or provided below)

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Any responses or follow-up actions on inspection/compliance reports

Additional Details: (Dates of Report, Follow-up by the Licensee)

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Any additional comments or information for the Board to consider

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Date Submitted:

July 29, 2010

Submitted/Prepared by:

Allison Rippin Armstrong

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2009 Drill Program - Ferguson Lake Camp

Drill Hole	GPS (Collar Location)		Water Draw		Sump		Water Consumption	Drill Site Inspection Completed (yes / no)	Comments
	easting	northing	easting	northing	easting	northing	(gallons)		
M4-H1	602649E	6972924N	602649E	6953439N	602629E	6953649N	6,375	Yes but under snow	Site under snow, needs to be inspected in summer
M4N-H1	602383E	6973044 N	602383E	6953570N	602363E	695398N	9,425	Yes but under snow	Site under snow, needs to be inspected in summer
M2-H1	596243E	6973068 N	596293E	695635N	596263E	6956353N	14,500	Yes but under snow	Site under snow, needs to be inspected in summer
M8-H1	614762E	6973070N	614762E	6955644N	614762E	6949158N	14,000	Yes but under snow	Site under snow, needs to be inspected in summer
M10-H1	618256E	6972913N	618156E	6955280N	618236E	6955400N	20,075	Yes but under snow	Site under snow, needs to be inspected in summer
M11-H1	620245E	6973029 N	620255E	6955644N	620225E	6955634N	20,000	Yes but under snow	Site under snow, needs to be inspected in summer
M3E-H1	602355E	6948975N	602255E	6948975N	602375E	6948974N	10,775	Yes but under snow	Site under snow, needs to be inspected in summer
FL09423	613475E	6952675N	613250E	6952675N	613485E	6952655N	9,150	Yes but under snow	Site under snow, needs to be inspected in summer

Date	M4-H1		M4N-H1		M2-H1		M8-H1		M10-H1		M11-H1	
	Meters	Water (gal)	Meters	Water (gal)	Meters	Water (gal)	Meters	Water (gal)	Meters	Water (gal)	Meters	Water (gal)
October 20, 2009	9	225										
	6	150										
October 21, 2009	6	150										
October 22, 2009	3	75										
October 23, 2009	27	675										
	12	300										
October 24, 2009	3	75										
	33	825										
October 25, 2009	21	525										
	9	225										
October 27, 2009	39	975										
October 28, 2009	39	975										
	42	1050										
October 29, 2009	6	150										
			36	900								
October 30, 2009			18	450								
			17	425								
October 31, 2009			51	1275								
			15	375								
November 1, 2009					9	225						
November 2, 2009					35	875						
					37	925						
November 4, 2009					3	75						
November 5, 2009					14	350						
					57	1425						
November 7, 2009							50	1250				
November 8, 2009							6	150				
November 9, 2009									83	2075		
November 10, 2009											11	275
November 11, 2009											69	1725
TOTAL Water Use												
Gallons:												
19150		6375		3425		3875		1400		2075		2000

Water Use (m3)	Domestic	Drilling	Total
January	14.29	-	14.29
February	20.32	-	20.32
March	20.25	-	20.25
April	25.7	-	25.7
May	3	-	3
September	5	-	5
October	34.25	37.1	71.35
November	34	357.72	391.72

2009 Water Use - Ferguson Lake Project

2009 Additional Information

In April 2009, Starfield had Fugro fly an airborne DIGHEM EM survey over the Y Lake area. This survey, which totaled 5,193 line km, identified 16 potential kimberlite targets as well as better defining a series of banded iron formations in the Y Lake area. Based on the results of this survey the than joint venture partner of Starfield Resources and Thanda Resources conducted ground magnetic surveys over the most promising airborne targets and drilled seven shallow core holes totaling 570.9 m. Additionally, in November 2009 Starfield drilled one hole totaling 426 m east of Y Lake

No environmental baseline studies were undertaken in 2009.

In 2009 wildlife sightings were recorded at camp.