

NWB Annual Report

Year being reported: 2008 ▼

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. In 2008 Starfield constructed an airstrip at the Ferguson Lake Camp and installed three fuel bladders which are housed in a lined, bermed, secondary containment facility.

Between the years 1949 and 1957 the area was explored by INCO (International Nickel Company). Since acquiring the property in 1999, Starfield has continued the exploration activities that were started by INCO. A number of different exploration methods have been used to study the mineralization in the area. These exploration methods have included aerial surveys, geological and geophysical studies, surface studies and drilling programs.

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

Part B ▼ Item 2 ▼

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

- ☒ Solid Waste Disposal
- ☒ Sewage
- ☒ Drill Waste
- ☒ Greywater
- ☐ Hazardous
- ☐ Other:

Additional Details:

Pacto toilets are used at the Ferguson Lake New Camp. The waste is then incinerated. In future, Starfield will follow the Draft Incineration Guidelines that Environment Canada is working on. 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)

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

There were no revisions to the Spill Contingency Plan in 2008.

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed



Additional Details:

There were no revisions to the Abandonment and Restoration Plan in 2008.

Progressive Reclamation Work Undertaken

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

Drill sites are reclaimed whenever possible prior to the drill crew moving on to the next drill site. In 2008 Starfield continued to move off the Island. Soil samples were collected to further the information on the extent of contamination on the island. Starfield submitted a Soil Remediation Plan to the Kivalliq Inuit Association for approval. Once approved it will be submitted to the Nunavut Water Board for approval.

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;

Details attached



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;

Details attached



Additional Details:

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

No additional sampling requested by an Inspector or the Board



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

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

No additional sampling requested by an Inspector or the Board



Additional Details: (Attached or provided below)

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

No inspection and/or compliance report issued by INAC



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

Any additional comments or information for the Board to consider

In 2008, Rescan, on behalf of Starfield, conducted a number of environmental baseline studies. Once the reports have been finalised, they will be submitted to the NWB, KIA, INAC, NIRB and the GN DoE.

Date Submitted:

March 30, 2009

Submitted/Prepared by:

Allison Rippin Armstrong

Contact Information:**Tel:**

780-995-2499

Fax:

416-860-0400

email:ar_enviro@yahoo.ca

Drill Hole ID	Date		GPS (Collar Location)		Water Draw		Sump		Water Consumption
	Open Date	Closing Date	easting	northing	easting	northing	easting	northing	Total for the hole (gallons)
FL07-373	30-Apr-08	3-May-08	605438E	6972924N	606276E	6972702N	605452E	6972908N	23,467
FL07-376	19-May-08	24-May-08	605963 E	6973044 N	606276E	6972702N	605983E	6973057N	37,800
FL07-377	14-May-08	19-May-08	605960 E	6973068 N	606276E	6972702N	605971E	6973081N	30,600
FL07-380	9-May-08	14-May-08	605948E	6973070N	606276E	6972702N	606284E	6972717N	37,800
FL08-381	3-May-08	6-May-08	605487E	6972913N	606276E	6972702N	606524E	6975432N	7,200
FL08-382	20-May-08	23-May-08	605722 E	6973029 N	606276E	6972702N	605728 E	6973022 N	25,200
FL08-382A	23-Jun-08	28-Jun-08	605722E	6973029 N	605943E	6972900N	605743E	6973053N	43,200
FL08-383	24-May-08	28-May-08	605913E	6973045N	606276E	6972702N	605899E	6973033N	34,200
FL08-384	28-May-08	2-Jun-08	605863E	6973060N	605946E	6972901N	605744E	6973007N	36,000
FL08-385	23-May-08	30-May-08	605748E	6973022N	605946E	6972901N	605748E	6973043N	46,800
FL08-386	30-May-08	3-Jun-08	605785E	6973006N	605946E	6972901N	605781E	6972982N	25,200
FL08-386A	4-Jun-08	8-Jun-08	605785E	6973006N	605946E	6972901N	605781E	6972982N	30,000
FL08-387	2-Jun-08	7-Jun-08	605771E	6973045N	605946E	6972901N	605735E	6973086N	36,000
FL08-388	7-Jun-08	13-Jun-08	605792E	6973042N	605946E	6972901N	605761E	6973060N	43,200
FL08-389	9-Jun-08	15-Jun-08	605798E	6973013N	605946E	6972901N	605749E	6973033N	43,200
FL08-390	13-Jun-08	19-Jun-08	605822E	6973041N	605943E	6972900N	605776E	6973095N	43,200
FL08-391	15-Jun-08	23-Jun-08	605825E	6973011N	605943E	6972900N	605812E	6973092N	57,600
FL08-392	19-Jun-08	23-Jun-08	605854E	6973009N	605943E	6972900N	605859E	6973058N	28,800
FL08-393	23-Jun-08	5-Jul-08	605825E	6973011N	605943E	6972900N	605812E	6973092N	93,600
FL08-394	28-Jun-08	5-Jul-08	605658E	6973051N	605943E	6972900N	605694E	6973092N	43,200
FL08-395	5-Jul-08	9-Jul-08	605604E	6973037N	605943E	6972900N	605585E	6973021N	36,000
FL08-396	5-Jul-08	13-Jul-08	605825E	6973011N	605943E	6972900N	605812E	6973092N	64,800
FL08-397	9-Jul-08	14-Jul-08	605584E	6973034N	605943E	6972900N	605611E	6973063N	36,000
FL08-397A	15-Jul-08	20-Jul-08	605584E	6973034N	605943E	6972900N	605611E	6973063N	36,000
FL08-398	13-Jul-08	17-Jul-08	605846E	6973033N	605943E	6972900N	605846E	6973033N	36,000
FL08-399	18-Jul-08	25-Jul-08	605892E	6973008N	605943E	6972900N	605897E	6972991N	64,800
FL08-400	20-Jul-08	30-Jul-08	605478E	6975903N	605188E	6976062N	605427E	6975874N	57,750
FL08-401	25-Jul-08	1-Aug-08	605942E	6973003N	605943E	6972900N	605884E	6973105N	29,700
FL08-402	30-Jul-08	1-Aug-08	605316E	6975628N	605188E	6976062N	605324E	6975638N	6,300
FL08-402A	1-Aug-08	7-Aug-08	605316E	6975628N	605188E	6976062N	605324E	6975638N	43,350
FL08-403	1-Aug-08	6-Aug-08	605487E	6972913N	605509E	6973001N	605441E	6972936N	19,050
FL08-404	6-Aug-08	11-Aug-08	605487E	6972913N	605509E	6973001N	605441E	6972936N	36,000
FL08-405	7-Aug-08	17-Aug-08	604144E	6975037N	604179E	6975142N	604153E	6975001N	60,000
FL08-406	11-Aug-08	17-Aug-08	605462E	6972910N	605509E	6973001N	605447E	6972953N	43,350
FL08-407	17-Aug-08	6-Sep-08	603706E	6973398N	603939E	6973364N	603641E	6973400N	109,200
FL08-408	17-Aug-08	25-Aug-08	605265E	6975715N	605188E	6976062N	605278E	6973055N	57,750
FL08-409	27-Aug-08	6-Sep-08	603700E	6974710N	603338E	6975018N	603724E	6974716N	54,000
FL08-410	6-Sep-08	6-Sep-08	603643E	6973412N	603626E	6973620N	603649E	6973578N	0
FL08-411	6-Sep-08	12-Sep-08	605523E	6972952N	605524E	6972985N	605489E	6972914N	22,200
FL08-412	12-Sep-08	15-Sep-08	605508E	6972955N	605524E	6972985N	605453E	6972930N	15,000
FL08-413	15-Sep-08	20-Sep-08	605539E	6972949N	605528E	6972976N	605511E	6972929N	23,250
FL08-414	20-Sep-08	26-Sep-08	605558E	6972951N	605528E	6972976N	605535E	6972925N	44,000
FL08-415	26-Sep-08	30-Sep-08	605579E	6972943N	605528E	6972976N	605561E	6972918N	28,000
FL08-416	5-Oct-08	8-Oct-08	605453E	6973040N	605460E	6973010N	605439E	6973070N	15,000
FL08-416A	8-Oct-08	14-Oct-08	605453E	6973040N	605460E	6973010N	605439E	6973070N	43,500
FL08-417	30-Sep-08	4-Oct-08	605620E	6972943N	605528E	6972976N	605641E	6972929N	36,000
FL08-418	4-Oct-08	12-Oct-08	601760E	6950069N	601640E	6050055N	601785E	6950093N	51,000
FL08-419	12-Oct-08	22-Oct-08	603664E	6951255N	603520E	6951302N	603681E	6951281N	60,000
FL08-420	14-Oct-08	23-Oct-08	601535E	6963645N	601470E	6963573N	601540E	6963630N	57,600
FL08-421	22-Oct-08	2-Nov-08	604599E	6950950N	604810E	6951000N	604620E	6951230N	44,400
FL08-422	24-Oct-08	31-Oct-08	605595E	6973071N	605630E	6973020N	605600E	6973095N	43,200

Starfield Resources - Ferguson Lake Project
Monthly Water Use

	Water Use in Cubic Metres		
Month	Camp	Drilling	Total
March	22.9	0	22.9
April	67.85	88.8	156.65
May	97.87	2418	2515.87
June	108.07	1240	1348.07
July	108.29	1393	1501.29
August	83.51	1395.7	1479.21
September	105.35	705.8	811.15
October	70.48	1327.5	1397.98
November	66.8	0	66.8
December	19.8	0	19.8