

2015 Environmental Agreements Summary Table and Areas Map

Pursuant to Bylaw 11M2010 (Environmental Agreements Bylaw), Section 4, Reporting – Environmental & Safety Management shall provide an annual report to City Council itemizing the Agreements authorized. The attached table is hereby provided in accordance with this condition. In 2015, 35 license agreements, new or amended, were issued under the Bylaw.

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
1	Alberta Transportation	11	License Amendment	July 30, 2015 *expires November 19, 2015 as per original agreement	Further portion of Glenmore Trail SW road right-of-way between Lincoln Way SW and Richard Road SW	Installation of eight additional boreholes along the southwest ring road alignment to delineate hydrocarbon impacted areas
2	Alberta Transportation	13	License Amendment	February 3, 2015 *expires November 19, 2015 as per original agreement	Portion of Spruce Meadows Trail South road right-of-way including landscaped median between west and eastbound lanes and area south of the eastbound lanes, immediately west of the intersection with 37 Street SW	Installation of seven boreholes along the southwest ring road alignment to investigate potential impacts prior to construction
3	Alberta Transportation	13	License	June 29, 2015 for 1 year	Portion of Spruce Meadows Trail South road right-of-way including landscaped median between west and eastbound lanes immediately west and east of 37 Street SW and area south of eastbound lanes of Spruce Meadows Trail South	Installation of four boreholes and four monitoring wells related to southwest ring road to investigate potential hydrocarbon impacts from former service station
4	Alkor Trading Ltd.	10	License	December 17, 2015 for 1 year	Portion of 17 Avenue SE road right-of-way between 37 Street and 38 Street SE, directly north of 3801 – 17 Avenue SE	Continued monitoring of two monitoring wells related to off-site hydrocarbon impacts
5	Amec Foster Wheeler Americas Limited	10	License	May 20, 2015 for 3 years	Western portion of 2770 – 2 Avenue SE	Continued monitoring of two monitoring wells related to off-site hydrocarbon impacts

2015 Environmental Agreements

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
6	ATCO Ltd.	11	License	May 26, 2015 for 1 year	Portions of 50 Peacekeepers Drive SW	Installation of twenty one monitoring wells for soil and groundwater analyses of hydrocarbons, volatile organic carbon's, metals and glycols
7	ATCO Ltd.	11	License Amendment	July 8, 2015 * expires May 26, 2016 as per original agreement	Further portions of 50 Peacekeepers Drive SW	Installation of four additional monitoring wells for soil and groundwater analyses of hydrocarbons, volatile organic carbon's, metals and glycols
8	Attainable Homes Calgary Corporation	5	License	December 16, 2015 1 year	Portions of 7451 Falconridge Boulevard NE	Installation of twenty-one testpits to evaluate fill material on-site
9	Bel-Calgary Inc.	8	License	May 20, 2015 for 3 years	Portion of 10 Avenue SW road right-of-way directly north of 633 – 10 Avenue SW, a portion of 6 Street SW road right-of-way directly west of 633 – 10 Avenue SW and a portion of lane right-of-way between 5 and 6 Street SW and 10 and 11 Avenue SW, directly south of 633 - 10 Avenue SW	Installation of three monitoring wells to investigate potential impacts from historic sources onsite
10	Calgary Municipal Land Corporation	8	License	November 16, 2015 for 5 years	Portions of 1720, 1910 and 1920 Bow Trail SW and 2140 Pumpphouse Avenue SW, a portion of the landscaped area between Bow Trail SW road right-of-way (eastbound) and 9 Avenue SW road right-of-way, directly south of the western portion of 1720 Pumpphouse Avenue SW, a portion of landscaped area to the northeast of 1920 Bow Trail SW and a portion of landscaped area between Bow Trail SW road right-of-way and north of 850 – 16 Street SW	Installation of 45 monitoring wells and access to 30 existing monitoring wells related to characterization of site conditions (soil and groundwater) prior to potential redevelopment of West Village

2015 Environmental Agreements

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
11	Canadian Pacific Railway Company	9	License	September 4, 2015 for 10 years	Portions of Alyth Road SE road right-of-way between 24 Avenue and 28 Avenue SE and 30 Avenue and 32 Avenue SE, a portion of 26 Avenue Road right-of-way between Alyth Road and 16 Street SE and a portion of 16 Street SE road right-of-way between 26 Avenue and 28 Avenue	Continued monitoring of seventeen off-site wells related to hydrocarbons impacts
12	Certus Developments Inc.	7	License	April 29, 2015 for 1 year	Portion of 13 Avenue NW road right-of-way, directly west of Centre Street NW and directly north of 1323 Centre Street NW	Continued monitoring of three wells related to off-site hydrocarbon impacts
13	CH2M Hill Canada Ltd.	1	License Amendment	March 9, 2015 *expires December 19, 2017 as per original agreement	Further portion of the lane right-of-way between Bowness Road NW and Bow Crescent NW and 62 Street and 63 Street NW, directly north of 6336 Bowness Road NW	Installation of four monitoring wells in the laneway to further investigate off-site hydrocarbon impacts from the former Bowness Gas Plus site
14	CH2M Hill Canada Ltd.	1	License Amendment	April 29, 2015 *expires December 19, 2017 as per original agreement	Portion of 63 Street NW road right-of-way between Bowness Road NW and Bow Crescent NW, directly west of 6335 Bow Crescent NW and a portion of Bow Crescent NW road right-of-way between 62 and 63 Street NW, directly north of 6327 Bow Crescent NW	Installation of three monitoring wells to further investigate off-site hydrocarbon impacts from the former Bowness Gas Plus site.
15	CH2M Hill Canada Ltd.	1	License Amendment	August 12, 2015 *expires December 19, 2017 as per original agreement	Further portion of the lane right-of-way between Bowness Road NW and Bow Crescent NW and 62 Street and 63 Street NW, directly north of 6336 Bowness Road NW and a further portion of 63 Street NW road right-of-way between Bowness Road NW and Bow Crescent NW	Installation of injection points to facilitate pilot testing in situ remediation of hydrocarbon impacted soil and groundwater. BOS200 (activated carbon and sulfate reduction) and hydrogen peroxide solution to be used.

2015 Environmental Agreements

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
16	ConocoPhillips Canada Resources Corp.	9	License	March 24, 2015 for 1 year	A portion of 68 Street SE road right-of-way, directly west of 6320 – 68 Street SE	Installation of twelve boreholes directly west of site to further investigate soil off-site for hydrocarbon, metals and other impacts from former McRen site.
17	Freeze Maxwell Roofing (Calgary) Ltd.	9	License	March 19, 2015 for 1 year	A portion of 4830R Macleod Trail SW between 45 and 46 Avenue SW, west of 4635 – 1 Street SE	Continued monitoring of two wells related to off-site nitrate contamination of groundwater
18	Husky Oil Limited	7	License	March 19, 2015 for 10 years	Portions of 20 Avenue NW road right-of-way between 13 and 14 Streets, 19 Avenue NW road right-of-way between 13 and 14 Streets, 13 Street NW road right-of-way between 19 and 20 Avenues, the lane right-of-way between 19 and 20 Avenues NW and 13 and 14 Streets and the lane right-of-way between 20 and 21 Avenues NW between 13 and 14 Streets	Continued monitoring and remediation related to off-site hydrocarbon impacts from the former Parkview Husky
19	Husky Oil Operations Limited	9	License	May 20, 2015 for 10 years	Portion of the laneway between Edmonton Trail NE and 4 Street NE south of 421 – 16 Avenue NE	Continued monitoring of seven wells related to off-site hydrocarbon impacts from the former Husky
20	Lakeview Village Professional Centre Corporation	11	License Amendment	April 9, 2015 *expires September 11, 2016 as per original agreement	Further portion of lane right-of-way between Longridge Drive SW and 66 Avenue SW, directly east of 6620 Crowchild Trail SW and the lane right-of-way between Crowchild Trail SW and Longridge Drive SW, directly south of 6620 Crowchild Trail SW	Installation of 4 additional monitoring wells south and east of property related to potential off-site hydrocarbon impacts

2015 Environmental Agreements

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
21	Panterra GLBH Properties Inc.	9	License	December 28, 2015 for 1 year	Portion of 53 Avenue SE road right-of-way between 5 and 6 Street SE and a portion of 5 Street SE road right-of-way directly east of the property located at 5516 – 5 Street SE	Continued monitoring of six wells related to possible off-site hexavalent chromium impacts to groundwater
22	Parkland Fuel Corporation	5	License	February 2, 2015 for 1 year	Portion of 12 Street NE road right-of-way between 45 Avenue and 48 Avenue NE, directly west and northwest of the property located at 4808 – 12 Street NE	Installation of three monitoring wells for investigation of potential off-site hydrocarbon impacts
23	Remington Development Corporation	14	License	August 13, 2015 for 1 year	Portion of Sue Higgins Park, directly to the east of Deerfoot Trail SE and west of the Bow River, located at 10311 – 15 Street SE (Part 1 of 4) in the NE ¼ Section 14-23-01-W5M surrounding the pond	Installation of six monitoring wells to conduct hydrogeological assessment around the pond
24	Rent Rite Truck Rentals Ltd.	9	License	December 17, 2015 for 1 year	Portions of 30 Street SE and 61 Avenue SE road right-of-ways, directly south and southwest of 6118 – 30 Street SE	Continued monitoring of ten existing wells for off-site hydrocarbon impacts
25	Sears Canada Inc.	7	License	November 2, 2015 for 5 years	North and east portion of 1635 – 14 Avenue NW between 16A and 15 Street NW, the eastern portion of 1204 – 17A Street NW, a portion of 15, 16 and 16A Street NW road right-of-ways from 13 to 10 Avenue NW, portions of 10, 11, 13 and 14 Avenue NW road right-of-ways from 16A to east of 15 Street NW and portions of lane right-of-ways between 15 and 16 Street and 13 and 10 Avenue NW and between 14 and 15 Street and 13 and 10 Avenue NW	Continued monitoring of seventy eight existing wells and seven existing extraction wells for dual-phase vapour extraction related to off-site hydrocarbon impacts

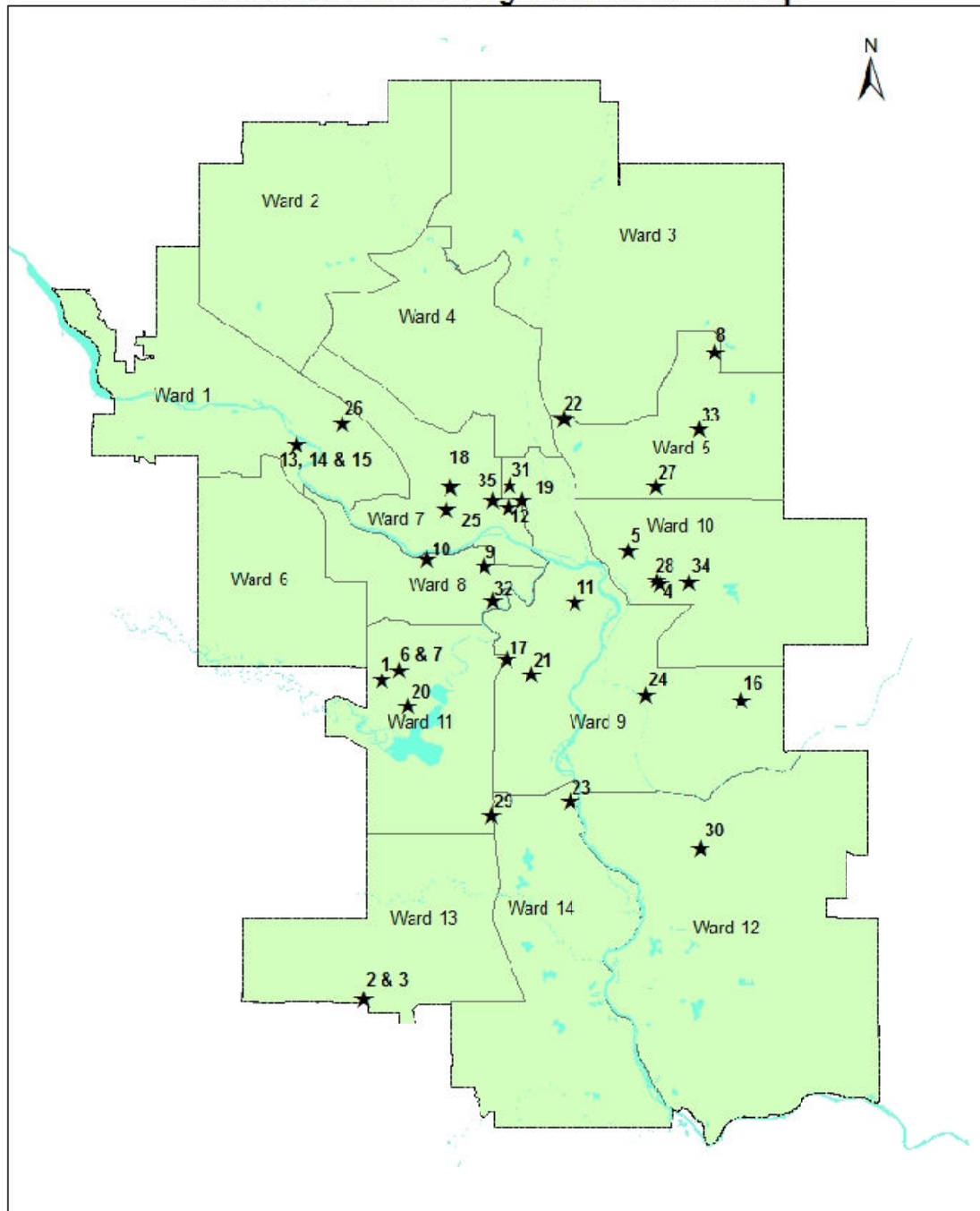
2015 Environmental Agreements

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
26	Shell Canada Products	1	License Amendment	May 26, 2015 *expires March 24, 2017 as per original agreement	Portion of Varsity Drive NW road right-of-way northeast of 4645 Varsity Drive NW, between Shaganappi Trail and Viscount Drive NW	Installation of two monitoring wells for investigation of potential off-site hydrocarbon impacts
27	Shell Canada Products	5	License	December 7, 2015 for 2 years	Portion of 36 Street NE road right-of-way directly west of 3711 Rundelhorn Drive NE and a portion of Rundelhorn Drive NE road right-of-way directly north of 3711 Rundelhorn Drive NE	Installation of three monitoring wells and five existing monitoring wells for investigation of off-site hydrocarbon impacts
28	Telus Communications Inc.	10	License Amendment	October 21, 2015 *expires December 15, 2016 as per original agreement	Further portion of the lane right-of-way east of 1724 – 36 Street SE, between 16 and 17 Avenue SE and 36 and 37 Street SE	Installation of one monitoring well for delineation of off-site hydrocarbon impacts
29	Tower Chrysler Plymouth Ltd.	11	License	June 24, 2015 for 1 year	Portion of Macleod Trail SW road right-of-way between Willow Park Drive SE and 109 Avenue SE, and directly east of 10901 Macleod Trail SW	Continued monitoring of three monitoring wells to investigate potential off-site contamination from hydrocarbons
30	Viterra Inc.	12	License	December 28, 2015 for 5 years	Portion of 114 Avenue SE road right-of-way between 44 Street and 52 Street SE, the western portion of SW ¼ of 11-23-29-W4M (11820 – 52 Street SE – Shepard Landfill), a portion of 118 Avenue SE road right-of-way east of 29 Street SE and portions of 192R Douglas Shore Close SE, 139R and 245R Douglas Park Boulevard SE, directly adjacent to Bow River	Continued monitoring of sixteen monitoring wells and air quality monitoring at Shepard Landfill related to off-site metals, nitrate, ammonia, sulphate and total phosphorus impacts from former Western Co-operative Fertilizers Ltd.

2015 Environmental Agreements

#	Licensee	Ward	Type of Environmental Agreement	Date Executed/ Term Length	Location	Description of Agreement
31	Western Securites Ltd.	9	License	May 26, 2015 for 10 years	Portion of Centre Street NE road right-of-way, directly west of the southern half of 2220 Centre Street NE	Continued monitoring of three wells related to off-site hydrocarbon impacts
32	1457164 Alberta Ltd.	8	License	April 29, 2015 for 10 years	Portion of 24 Avenue SW road right-of-way, directly south of 2312 – 4 Street SW and a portion of 4 Street SW road right-of-way directly west of 2312 – 4 Street SW	Continued monitoring of two wells related to off-site volatile organic carbon (VOC) impacts
33	479023 Alberta Ltd.	5	License	April 29, 2015 for 3 years	Portion of lane right-of-way directly south of 7196 Temple Drive NE, between Temple Drive and Templewood Drive NE and 52 and 53 Street NE	Continued groundwater monitoring related to risk management plan for tetrachloroethene (PCE) impacts
34	911538 Alberta Inc.	10	License	February 3, 2015 for 3 years	Portion of 17 Avenue SE road right-of-way, directly south and southwest of 4920 – 17 Avenue SE	Installation of four monitoring wells and two boreholes for investigation of potential off-site hydrocarbon impacts
35	925462 Alberta Ltd. and Dark Horse Drilling Ltd.	7	License	February 23, 2015 for 2 years	Portion of 4 Street NW road right-of-way, directly west of 1620 – 4 Street NW	Installation of eight points for remedial injection of PersulfOx and HRC-X (polymer) solution to treat off-site tetrachloroethene (PCE) impacts

The City of Calgary 2015 Environmental Agreements Areas Map



*To be viewed with the 2015 Environmental Agreements Report Summary Table