

2018 MARCH 21

# PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2018.03.21

From	To	Total	Area
LEASES: A0297	A0369	73	18,824.6480 ha.
LICENCES: B0370	B0387	18	14,720.0000 ha.
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		91	33,544.6480 ha.

PUBLIC OFFERING OF CROWN  
PETROLEUM AND NATURAL GAS RIGHTS

BIDDING DEADLINE

Offers to purchase petroleum and natural gas leases and licences (including any subsequent amendments) contained in this notice will **not** be accepted after **12 noon on 2018 March 21**.

HOW TO SUBMIT BIDS

1. E-Bidding is mandatory for the submission of bids for petroleum and natural gas leases and licences.
2. Bid requests must be submitted using the Department of Energy's Electronic Transfer System (ETS).

AMOUNT OF PAYMENT

1. Your total bid includes the bonus, rent at \$3.50/ha or \$50.00, whichever is greater, and a fee of \$625.00.
2. A bonus offer of less than \$2.50/ha for a lease or \$1.25/ha for a licence will not be considered.
3. The department reserves the right to reject any bid.

FORM OF PAYMENT

1. Payments must be made by electronic funds transfer (EFT) only.
2. Companies and individuals that do not have a GST registration number are liable for payment of the Goods and Services Tax on various charges. All registrants must ensure that they provide their GST registration number in writing to the Financial Services Branch @ Fax No. (780) 422-4281.

REMEMBER

1. The bidder is responsible for having sufficient funds to cover all bids in their EFT bank account by noon on the day of the sale. It can take up to midnight on the day following the sale to see your funds debited from your bank account for an accepted bid.
2. Requesters of parcels posted in this public offering are expected to bid on their parcels. If you are a requester of a parcel and fail to bid, you will be charged a penalty of \$625.00 (plus GST) for each parcel unless it is purchased by someone else.
3. Attached to this notice are APPENDIX 1 and APPENDIX 2 containing applicable Zone Designations (ZDs) and Deeper Rights Reversion Zone Designations (DRRZDs) respectively (See IL 98-14), and APPENDIX 3 containing, where necessary, addenda relating to surface access and terms and conditions for acquisition of parcels within Metis Settlements (See IL 92-19).
4. Addenda do not cover every access situation. Before bidding ensure that the public land manager is contacted for specific access constraints and for standard operating guidelines for that region. On privately owned lands, access approval is a confidential matter between the landowner and the mineral lessee.
5. The Government of Alberta's *"First Nations Consultation Policy on Land Management and Resource Development"* may apply to surface activities proposed as a result of acquiring Crown mineral rights. For information contact SREM Aboriginal Affairs Branch, Alberta Energy and Environment and Sustainable Resource Development at 780-644-8734.

RESULTS OF THE PUBLIC OFFERING

1. The accepted bids information will be available on **2018 March 21** in the afternoon on the Department's website at <http://www.energy.gov.ab.ca>.
2. All agreements are issued in accordance with the Mines & Minerals Act and its regulations.

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0297	1216		
	TRACT ONE	4-05-021: 22; 23; 26NE; 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
	TRACT TWO	4-05-021: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
	TRACT THREE	4-05-021: 36E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0298	256	4-15-029: 9 PETROLEUM AND NATURAL GAS	
A0299	256	4-16-029: 23 PETROLEUM AND NATURAL GAS	(SHA007201)
A0300	256	4-16-029: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0301	256	4-19-029: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0302	256	4-19-029: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0303	128	4-20-029: 14W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0304	256	4-18-030: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0305	256	4-19-030: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0306	64	5-04-036: 33NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM	(DRRZD 280) (ZD 275)
A0307	64	4-01-037: 30SE PETROLEUM AND NATURAL GAS	

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
A0308	240		
	TRACT ONE	4-20-037: 22W, L1, L2, L7, L9, L10, L15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE LEDUC FM	(DRRZD 4) (DRRZD 7)
	TRACT TWO	4-20-037: 22L16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM TO THE BASE OF THE LEDUC FM	(DRRZD 23) (DRRZD 7)
A0309	128	4-20-037: 28W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE LEDUC FM	(DRRZD 39) (DRRZD 7)
A0310	256		
	TRACT ONE	4-20-037: 36W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE LEDUC FM	(DRRZD 280) (DRRZD 7)
	TRACT TWO	4-20-037: 36E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE LEDUC FM	(DRRZD 39) (DRRZD 7)
A0311	128	5-04-037: 4N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE LOWER MANNVILLE FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM PETROLEUM IN THE ROCK CREEK MBR EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM	(DRRZD 6) (ZD 275) (DRRZD 90) (DRRZD 60) (ZD 275)
A0312	256	4-26-038: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE MANNVILLE GRP	(HRV003701) (DRRZD 280) (DRRZD 4)
A0313	256	4-27-038: 32 PETROLEUM AND NATURAL GAS	
A0314	201		
	TRACT ONE	4-27-038: 34W PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-27-038: 34SEP, NE PORTION(S) DESIGNATED AS RED DEER RIVER ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1892/05/16. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0315	256	5-02-038: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0316	256	4-05-039: 20 PETROLEUM AND NATURAL GAS	

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
A0317	256	4-05-039: 21 PETROLEUM AND NATURAL GAS	(SHA007201)
A0318	256	4-05-039: 28 PETROLEUM AND NATURAL GAS	(SHA007201)
A0319	256	4-05-039: 33 PETROLEUM AND NATURAL GAS	
A0320	192	TRACT ONE 4-28-039: 12W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 4)
		TRACT TWO 4-28-039: 12SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE VIKING FM	(DRRZD 280) (DRRZD 6)
A0321	32	5-03-039: 4L9,L16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(DRRZD 90)
A0322	56.33	4-27-043: 13NWP PORTION(S) SHOWN AS A LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/05/16. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0323	13.2	5-01-046: 7SWP PORTION(S) DESIGNATED AS BATTLE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1902/09/03. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
A0324	42.12	5-02-046: 13SWP PORTION(S) DESIGNATED AS BATTLE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1906/12/07. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0325	256	4-24-048: 32 PETROLEUM AND NATURAL GAS	
A0326	256	4-26-048: 4 PETROLEUM AND NATURAL GAS	
A0327	256	4-10-049: 32 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0328	256	4-24-049: 4 PETROLEUM AND NATURAL GAS	

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
A0329	256	4-26-049: 20 PETROLEUM AND NATURAL GAS	
A0330	768	4-04-050: 28-30 PETROLEUM AND NATURAL GAS	
A0331	128	4-05-050: 32N PETROLEUM AND NATURAL GAS	
A0332	512	4-04-051: 6; 18 PETROLEUM AND NATURAL GAS	
A0333	768	4-10-051: 10; 11; 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0334	512	4-10-051: 22; 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0335	256	4-11-051: 2 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(SHA007201) (DRRZD 4)
A0336	256	4-18-061: 7 PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0337	64	4-22-063: 10SW PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0338	256	4-24-063: 28 PETROLEUM AND NATURAL GAS	
A0339	512	4-07-065: 20; 21 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(ADM001801) (SHA006701) (DRRZD 4)
--- NORTHERN REGION ---			
A0340	256	5-05-038: 7 PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 4)
A0341	128	5-05-040: 14SE,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(DRRZD 3) (DRRZD 6)
A0342	256	5-05-040: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE TOP OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
A0343	192	5-06-040: 24N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(DRRZD 3) (DRRZD 6)
A0344	384	TRACT ONE 5-05-041: 35S,NE PETROLEUM AND NATURAL GAS TO THE TOP OF THE MANNVILLE GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE EDMONTON GRP	(DRRZD 4) (DRRZD 280)
		TRACT TWO 5-05-041: 34E; 35NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE TOP OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)
A0345	128	5-07-041: 23W PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(DRRZD 4) (DRRZD 3)
A0346	256		(ESZ000101) (IRZ004401) (SHA006701) (SHA007901)
		5-15-048: 17 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0347	256		(ESZ000101) (IRZ004401) (SHA006701) (SHA007901)
		5-15-048: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(DRRZD 3) (DRRZD 6)
A0348	256		(ESZ000101) (IRZ004401) (SHA006701) (SHA007901)
		5-15-048: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 6) (DRRZD 21)
A0349	256	5-14-059: 24 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0350	256		(ESZ000301) (SHA006701) (SHA008201)
		6-04-061: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
A0351	256		(ESZ000301) (SHA006701) (SHA008201)
		6-04-061: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
A0352	256	6-04-061: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(SHA006701) (SHA008201)  (DRRZD 264)
A0353	256	6-04-061: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(ESZ000301) (SHA006701) (SHA008201)  (DRRZD 264)
A0354	256	6-04-061: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(ESZ000301) (SHA006701) (SHA008201)  (DRRZD 264)
A0355	64	6-02-062: 20SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
A0356	64	6-02-062: 20SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 38) (DRRZD 21)
A0357	64	6-03-062: 1NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM	(SHA008201)  (DRRZD 38)
A0358	512	5-19-064: 13; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE TOP OF THE TRIASSIC SYSTEM	(DRRZD 22) (DRRZD 37)
A0359	256	5-24-064: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0360	256	6-07-065: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE PEACE RIVER FM	(SHA008201)  (DRRZD 38) (DRRZD 40)
A0361	192	5-23-066: 27S,NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0362	256	6-06-066: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
A0363	256	6-06-067: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
A0364	256	6-06-067: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)



PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE  
PAGE 7

2018 MARCH 21

LEASE	HECTARES	LAND DESCRIPTION	
A0365	256	6-06-067: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE MONTNEY FM	(DRRZD 246) (DRRZD 264)
A0366	256	6-06-067: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
A0367	512		(TSH003401) (TSH003501)
	TRACT ONE	6-11-072: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT TWO	6-11-072: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEACE RIVER FM TO THE BASE OF THE SPIRIT RIVER FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 40) (DRRZD 22) (DRRZD 246)
A0368	256	5-16-074: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0369	64	5-21-078: 13NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DEBOLT FM TO THE BASE OF THE BEAVERHILL LAKE GRP	(ADM001901) (DRRZD 42) (DRRZD 5)
73	18,824.65	HA TOTALS	<b>END</b>

2018 MARCH 21

LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0370	2304		
	TRACT ONE	4-19-012: 15 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-19-011: 34E 4-19-012: 2S; 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP NATURAL GAS IN THE BASAL BLAIRMORE	(DRRZD 4) (ZD 2428)
	TRACT THREE	4-19-011: 34W 4-19-012: 2N; 3; 9; 11; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT FOUR	4-19-012: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
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B0371	3072		
	TRACT ONE	4-21-016: 31 4-21-017: 6 4-22-016: 25 4-22-017: 1; 2; 11; 12 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-21-016: 19; 30 4-22-016: 24; 35; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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B0372	1536		
	TRACT ONE	4-04-022: 4W PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-04-021: 33-35 4-04-022: 4E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
	TRACT THREE	4-04-022: 2; 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 273)
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B0373	1536		
	TRACT ONE	4-08-025: 32 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-08-026: 5-7; 18 4-09-026: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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B0374	1536		
	TRACT ONE	4-08-026: 2; 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-08-025: 34 4-08-026: 3; 10; 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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2018 MARCH 21

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0375	512	5-26-063: 30; 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(ESZ000101) (SHA006701) (SHA008201)  (DRRZD 37)
B0376	256	5-26-063: 31 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(ESZ000101) (SHA006701) (SHA008201)  (DRRZD 37)
B0377	320	TRACT ONE 6-01-064: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
		TRACT TWO 5-27-064: 14SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 38) (DRRZD 37)
B0378	320	TRACT ONE 5-27-064: 14SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
		TRACT TWO 6-01-064: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0379	256	6-01-064: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE MONTNEY FM	(DRRZD 38) (DRRZD 264)
B0380	256	6-01-064: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0381	256	6-07-065: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE DUNVEGAN FM	(SHA008201)  (DRRZD 51) (DRRZD 38)
B0382	256	6-07-065: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE DUNVEGAN FM	(SHA008201)  (DRRZD 51) (DRRZD 38)

2018 MARCH 21

LICENCE	HECTARES	LAND DESCRIPTION	
B0383	768		
	TRACT ONE	6-11-071: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
	TRACT TWO	6-11-071: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE SPIRIT RIVER FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 38) (DRRZD 22) (DRRZD 21)
	TRACT THREE	6-11-071: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE SPIRIT RIVER FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 38) (DRRZD 22) (DRRZD 246)
B0384	256		(TSH003401) (TSH003501)
		6-08-072: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0385	768		(SHA006701) (TSH003401) (TSH003501)
	TRACT ONE	6-13-073: 28; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT TWO	6-13-073: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0386	256		
		6-11-075: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOE CREEK MBR TO THE BASE OF THE HALFWAY FM	(DRRZD 25) (DRRZD 246)
B0387	256		(TSH003401) (TSH003501)
		6-09-078: 13 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOIG FM	(DRRZD 251)
18	14,720.00	HA TOTALS	<b>END</b>

ZONE DESIGNATIONS APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

ZD: 275

ZONE: 6100 RUNDLE GRP

INTERVAL: 7570.00 - 7843.00 FEET  
KEY WELL: 00/04-05-037-03W5/0  
LOG TYPE: INDUCTION ELECTRIC

ZONE: 3100 LOWER MANNVILLE FM

INTERVAL: 7695.00 - 7910.00 FEET  
KEY WELL: 00/02-33-036-04W5/0  
LOG TYPE: INDUCTION ELECTRIC

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ZD: 2428

ZONE: 3180 BASAL BLAIRMORE

INTERVAL: 3523.00 - 3561.00 FEET  
KEY WELL: 00/11-10-011-19W4/0  
LOG TYPE: ELECTRICAL

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END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

DRRZD: 3                    ZONE: 1700    CARDIUM FM  
  
INTERVAL: 6303.00 - 6436.00 FEET  
KEY WELL: 00/16-16-041-06W5/0  
LOG TYPE: ELECTRICAL

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DRRZD: 4                    ZONE: 2480    MANNVILLE GRP  
  
INTERVAL: 2557.00 - 2985.00 FEET  
KEY WELL: 00/06-16-041-08W4/0  
LOG TYPE: INDUCTION ELECTRICAL

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DRRZD: 5                    ZONE: 7440    BEAVERHILL LAKE GRP  
  
INTERVAL: 8645.00 - 9118.00 FEET  
KEY WELL: 00/10-22-068-11W5/0  
LOG TYPE: INDUCTION ELECTRICAL

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DRRZD: 6                    ZONE: 2140    VIKING FM  
  
INTERVAL: 2600.00 - 2680.00 FEET  
KEY WELL: 00/10-10-042-14W4/0  
LOG TYPE: INDUCTION ELECTRICAL

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DRRZD: 7                    ZONE: 7200    LEDUC FM  
  
INTERVAL: 6418.00 - 7033.00 FEET  
KEY WELL: 00/06-20-041-24W4/0  
LOG TYPE: GAMMA RAY-SONIC

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DRRZD: 8                    ZONE: 2130    BOW ISLAND SD  
  
INTERVAL: 2140.00 - 2472.00 FEET  
KEY WELL: 00/11-31-011-10W4/0  
LOG TYPE: INDUCTION ELECTRICAL

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DRRZD: 12                   ZONE: 1640    MEDICINE HAT SD  
  
INTERVAL: 1312.00 - 1582.00 FEET  
KEY WELL: 00/06-30-014-04W4/0  
LOG TYPE: INDUCTION GAMMA RAY

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DRRZD: 13                   ZONE: 1860    SECOND WHITE SPECKS  
  
INTERVAL: 1820.00 - 2030.00 FEET  
KEY WELL: 00/10-17-014-09W4/0  
LOG TYPE: INDUCTION ELECTRIC

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DRRZD: 21                   ZONE: 3052    BLUESKY-BULLHEAD  
  
INTERVAL: 2754.00 - 3043.00 FEET  
KEY WELL: 00/10-32-081-01W6/0  
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

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DRRZD: 22                   ZONE: 2640    SPIRIT RIVER FM  
  
INTERVAL: 2004.00 - 3138.00 FEET  
KEY WELL: 00/11-03-078-01W6/0  
LOG TYPE: INDUCTION ELECTRIC

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DRRZD: 23                   ZONE: 6960    NISKU FM  
  
INTERVAL: 5023.00 - 5190.00 FEET  
KEY WELL: 00/06-24-050-26W4/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

DRRZD: 25                    ZONE: 1900   DOE CREEK MBR  
  
INTERVAL: 2330.00 - 2393.00 FEET  
KEY WELL: 00/07-04-075-10W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DRRZD: 37                    ZONE: 5000   TRIASSIC SYSTEM  
  
INTERVAL: 6948.00 - 7042.00 FEET  
KEY WELL: 00/10-07-062-19W5/0  
LOG TYPE: DUAL INDUCTION FOCUSED

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DRRZD: 38                    ZONE: 1920   DUNVEGAN FM  
  
INTERVAL: 2566.00 - 3038.00 FEET  
KEY WELL: 00/11-04-074-05W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DRRZD: 39                    ZONE: 1260   BELLY RIVER GRP  
  
INTERVAL: 1688.00 - 2453.00 FEET  
KEY WELL: 00/07-18-032-22W4/0  
LOG TYPE: INDUCTION ELECTRICAL

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DRRZD: 40                    ZONE: 2280   PEACE RIVER FM  
  
INTERVAL: 3760.00 - 4008.00 FEET  
KEY WELL: 00/07-09-076-08W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 42                    ZONE: 6120   DEBOLT FM  
  
INTERVAL: 4444.00 - 5294.00 FEET  
KEY WELL: 00/10-11-080-03W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DRRZD: 51                    ZONE: 1700   CARDIUM FM  
  
INTERVAL: 2350.40 - 2415.70 METRES  
KEY WELL: 00/07-36-058-03W6/0  
LOG TYPE: DUAL INDUCTION SFL

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DRRZD: 57                    ZONE: 6440   BANFF FM  
  
INTERVAL: 4247.00 - 4776.00 FEET  
KEY WELL: 00/02-24-056-05W5/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 60                    ZONE: 4320   ROCK CREEK MBR  
  
INTERVAL: 2502.50 - 2531.50 METRES  
KEY WELL: 00/10-35-049-13W5/2  
LOG TYPE: DUAL LATEROLOG

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DRRZD: 90                    ZONE: 4000   JURASSIC SYSTEM  
  
INTERVAL: 7052.00 - 7148.00 FEET  
KEY WELL: 00/06-29-039-03W5/0  
LOG TYPE: INDUCTION ELECTROLOG

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DRRZD: 236                    ZONE: 6280   LIVINGSTONE FM  
  
INTERVAL: 971.00 - 1108.00 METRES  
KEY WELL: 00/08-20-014-15W4/0  
LOG TYPE: DUAL INDUCTION SFL

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DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

DRRZD: 246                    ZONE: 5160    HALFWAY FM  
  
INTERVAL: 6344.00 - 6402.00 FEET  
KEY WELL: 00/11-18-077-08W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 251                    ZONE: 5200    DOIG FM  
  
INTERVAL: 1770.00 - 1853.00 METRES  
KEY WELL: 00/03-22-078-10W6/0  
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

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DRRZD: 264                    ZONE: 5240    MONTNEY FM  
  
INTERVAL: 2229.00 - 2491.50 METRES  
KEY WELL: 00/06-32-076-11W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 273                    ZONE: 2030    FISH SCALE-WESTGATE  
  
INTERVAL: 794.00 - 841.00 METRES  
KEY WELL: 02/06-13-011-20W4/0  
LOG TYPE: INDUCTION ELECTRIC

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DRRZD: 280                    ZONE: 1060    EDMONTON GRP  
  
INTERVAL: 335.00 - 962.00 METRES  
KEY WELL: 00/06-24-044-04W5/0  
LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

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DRRZD: 284                    ZONE: 7635    ELK POINT GRP  
  
INTERVAL: 783.00 - 1370.00 METRES  
KEY WELL: 02/06-13-063-08W4/0  
LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

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END



## ADDENDA AND CONTACTS APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

**ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA**

LEASE A0339

ALL LAND(S) IS/ARE WITHIN AN OIL SANDS AREA AS DESIGNATED BY THE ENERGY RESOURCES CONSERVATION BOARD (ERCB). SOLUTION GAS IS EXPRESSLY EXCLUDED FROM THE PETROLEUM AND NATURAL GAS RIGHTS GRANTED UNDER CROWN AGREEMENTS ISSUED IN RESPECT OF OIL SANDS AREAS. MOREOVER, PRODUCTION OF GAS FROM THE LAND(S) IN THIS AGREEMENT MAY BE DISALLOWED OR PRECLUDED BY ORDER OF THE ERCB OR OTHERWISE, ON THE GROUNDS THAT SUCH PRODUCTION MAY DETRIMENTALLY AFFECT THE RECOVERABILITY OF OIL SANDS FROM THOSE LANDS. BY ACCEPTING THIS AGREEMENT FOR THE PETROLEUM AND NATURAL GAS RIGHTS IN THESE LANDS, THE LESSEE/LICENSEE HEREBY ACKNOWLEDGES ALL OF THE ABOVE, AND THAT PRODUCTION OF GAS FROM THE LANDS IN THIS AGREEMENT MAY BY ORDER OF THE ERCB OR OTHERWISE BE PRECLUDED OR DISALLOWED, AND HEREBY WAIVES ANY RECOURSE, ACTION, CAUSE OF ACTION OR CLAIM THAT THE LESSEE/LICENSEE MAY HAVE AGAINST THE CROWN IN RIGHT OF ALBERTA AS A RESULT OF OR IN RELATION TO ITS INABILITY FOR ANY OF THE ABOVE REASONS OR FOR ANY OTHER REASON WHATSOEVER TO PRODUCE GAS FROM THE LANDS IN THIS AGREEMENT. FOR THE DEFINITION OF SOLUTION GAS AND OTHER RELEVANT INFORMATION, PLEASE REFER TO INFORMATION LETTER 99-38. FOR CURRENT POLICY ON NATURAL GAS PRODUCTION IN THE OIL SANDS ZONES IDENTIFIED WITHIN OIL SANDS AREAS, PLEASE REFER TO ERCB INTERIM DIRECTIVE 99-01.

SURFACE ACCESS IS NOT AFFECTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DONNA CRAWFORD  
MANAGER  
ALBERTA DEPARTMENT OF ENERGY  
9945 108 ST  
EDMONTON AB T5K 2G6 (780) 427-8933

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**ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1**

LEASE A0369

ALL LAND(S) IS/ARE WITHIN AN OIL SANDS AREA AS DESIGNATED BY THE ENERGY RESOURCES CONSERVATION BOARD (ERCB). SOLUTION GAS IS EXPRESSLY EXCLUDED FROM THE PETROLEUM AND NATURAL GAS RIGHTS GRANTED UNDER CROWN AGREEMENTS ISSUED IN RESPECT OF OIL SANDS AREAS. MOREOVER, PRODUCTION OF GAS FROM THE LAND(S) IN THIS AGREEMENT MAY BE DISALLOWED OR PRECLUDED BY ORDER OF THE ERCB OR OTHERWISE, ON THE GROUNDS THAT SUCH PRODUCTION MAY DETRIMENTALLY AFFECT THE RECOVERABILITY OF OIL SANDS FROM THOSE LANDS. BY ACCEPTING THIS AGREEMENT FOR THE PETROLEUM AND NATURAL GAS RIGHTS IN THESE LANDS, THE LESSEE/LICENSEE HEREBY ACKNOWLEDGES ALL OF THE ABOVE, AND THAT PRODUCTION OF GAS FROM THE LANDS IN THIS AGREEMENT MAY BY ORDER OF THE ERCB OR OTHERWISE BE PRECLUDED OR DISALLOWED, AND HEREBY WAIVES ANY RECOURSE, ACTION, CAUSE OF ACTION OR CLAIM THAT THE LESSEE/LICENSEE MAY HAVE AGAINST THE CROWN IN RIGHT OF ALBERTA AS A RESULT OF OR IN RELATION TO ITS INABILITY FOR ANY OF THE ABOVE REASONS OR FOR ANY OTHER REASON WHATSOEVER TO PRODUCE GAS FROM THE LANDS IN THIS AGREEMENT. FOR THE DEFINITION OF SOLUTION GAS AND OTHER RELEVANT INFORMATION, PLEASE REFER TO INFORMATION LETTER 99-38. FOR CURRENT POLICY ON NATURAL GAS PRODUCTION IN THE OIL SANDS ZONES IDENTIFIED WITHIN OIL SANDS AREAS, PLEASE REFER TO ERCB INTERIM DIRECTIVE 99-01.

SURFACE ACCESS IS NOT AFFECTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DONNA CRAWFORD  
MANAGER  
ALBERTA DEPARTMENT OF ENERGY  
9945 108 ST  
EDMONTON AB T5K 2G6 (780) 427-8933

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**ESZ000101 EASTERN SLOPES POLICY ZONE 2**

LAND DESCRIPTION			
LEASE	A0346	5-15-048:	17P
LEASE	A0347	5-15-048:	17P
LEASE	A0348	5-15-048:	17P
LICENCE	B0375	5-26-063:	30P; 31P
LICENCE	B0376	5-26-063:	31P

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF AN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER  
 GRANDE PRAIRIE OFFICE  
 GRANDE PRAIRIE OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE  
 RESOURCE DEV  
 10320 99 ST  
 GRANDE PRAIRIE AB T8V 6J4 (780) 538-5260

**ESZ000301 EASTERN SLOPES POLICY ZONE 4**

LAND DESCRIPTION			
LEASE	A0350	6-04-061:	22EP
LEASE	A0351	6-04-061:	27EP
LEASE	A0353	6-04-061:	34EP
LEASE	A0354	6-04-061:	35S,NWP,NE

ALL LAND(S) IS/ARE WITHIN ZONE 4 (GENERAL RECREATION) OF AN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER  
 GRANDE PRAIRIE OFFICE  
 GRANDE PRAIRIE OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE  
 RESOURCE DEV  
 10320 99 ST  
 GRANDE PRAIRIE AB T8V 6J4 (780) 538-5260

**HRV003701 HISTORIC RESOURCES VALUE 3**

LAND DESCRIPTION			
LEASE	A0312	4-26-038:	14L9,L16

ALL LAND(S) IS/ARE WITHIN A HERITAGE RESOURCES MANAGEMENT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GEORGE CHALUT  
 LAND USE PLANNER  
 CULTURE, DEPARTMENT OF  
 HISTORIC RESOURCE MANAGEMENT BRANCH  
 LAND USE PLANNING SECTION  
 OLD ST STEPHEN'S COLLEGE  
 8820 112 ST NW  
 EDMONTON AB T6G 2P8 (780) 431-2329

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

**IRZ004401 BRAZEAU-PEMBINA ZONE 2**

LAND DESCRIPTION  
LEASE A0346 5-15-048: 17P  
LEASE A0347 5-15-048: 17P  
LEASE A0348 5-15-048: 17P

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF AN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER  
DRAYTON VALLEY OFFICE  
DRAYTON VALLEY OFFICE-LAND USE AREA -LANDS DIVISION DEPT. OF SUSTAINABLE  
RESOURCE DEV  
6521 50 AVE  
PO BOX 6090  
DRAYTON VALLEY AB T7A 1R6 (780) 542-6616

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**SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES**

LAND DESCRIPTION  
LEASE A0339  
LEASE A0346 5-15-048: 17P  
LEASE A0347 5-15-048: 17P  
LEASE A0348 5-15-048: 17P  
LEASE A0350  
LEASE A0351 6-04-061: 27S,NWP,NE  
LEASE A0352 6-04-061: 28SP,NEP  
LEASE A0353 6-04-061: 34NP,SE,SWP  
LEASE A0354  
LICENCE B0375 5-26-063: 30N,SEP,SW; 31  
LICENCE B0376  
LICENCE B0385 6-13-073: 28NWP; 32SP,NEP

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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**SHA007201 PIPING PLOVER**

LAND DESCRIPTION  
LEASE A0299 4-16-029: 23EP  
LEASE A0317 4-05-039: 21EP  
LEASE A0318 4-05-039: 28EP  
LEASE A0335 4-11-051: 2SWP

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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## ADDENDA AND CONTACTS APPLICABLE TO THE 2018 MARCH 21 PUBLIC OFFERING NOTICE

## TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

	LAND DESCRIPTION
LEASE A0367	6-11-072: 9P; 10P
LICENCE B0384	6-08-072: 23P
LICENCE B0385	6-13-073: 28P
LICENCE B0387	6-09-078: 13P

ALL LAND(S) IS/ARE WITHIN TRUMPETER SWAN HABITAT 500 METRE BUFFER. ACTIVITIES SHALL NOT OCCUR WITHIN 500 METRES OF THE BED AND SHORE ON IDENTIFIED WATERBODIES AND/OR WATERCOURSES.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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END