



2019 BLM Permitted Activities on the North Slope

Current as of 5/31/19

Oil and Gas Activities

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS** (see explanation at bottom)	FUEL SITES	FIELD CAMP
<p>ConocoPhillips Alaska Inc. Contact: Sarah Kenshalo, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; sarah.m.kenshalo@conocophillips.com</p>	<p>Northeastern NPR-A, Willow prospect area, Bear Tooth Unit</p>	<p>Winter 2018-2019</p>	<p>Oil exploration and appraisal program on leases in the NPR-A. Drilling up to 6 exploratory wells Testing of up to four exploratory wells Retrieving data logger from one plugged and abandoned well (Stony Hill)</p>	<p>Camp capacity up to 545 people. CPAI expects average per day of 290.</p>	<p>Fixed wing aircraft (airstrips on lakes), ice roads, snow roads,</p>	<p>135 fixed wing flights (approximately 5 flights per week for approximately 27 weeks for a total of approximately 270 take offs and landings)</p>	<p>Fuel storage capacity totaling approximately 230,200 gallons. Fuel would be stored in multiple fuel containers and placed in lined, bermed fuel storage areas.</p>	<p>Remote camps (XBC Camp-Canning Camp) on an ice pad near Tingmiaq 6. Camp E3 not located on BLM land - east of GMT1.</p>
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<p>ConocoPhillips Alaska, Inc. Sarah Kenshalo P.O. Box 100360 Anchorage, AK 99510-0360</p>	<p>Colville River at Ocean Point</p>	<p>5 one-day trips over the course of 3 weeks between April -Tundra Closure 2019</p>	<p>Reconnaissance via tundra travel to investigate a new Colville River crossing location near Ocean Point that would allow heavier loads to cross.</p>	<p>Rolligon & Tucker Crews</p>	<p>Rolligons and Tuckers</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
<p>ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com</p>	<p>Various locations in the Northeast NPR-A. Specifics were provided for winter 2018-2019 in the EA for winter 2018-2019 exploration and will be provided annually before prepacking begins.</p>	<p>Nov. 1, 2018 – Dec. 31, 2023 early winter, beginning approximately 1st week of November, when frost and snow cover are at sufficient depths to protect the tundra. 6 inches of snow is required.</p>	<p>5-year Right of Way to prepack ice roads, ice pads, and snow trails in the NPR-A for winter activities.</p>	<p>Maximum two pieces of equipment with one operator in each</p>	<p>Snow machines, smooth tracked Tuckers, Rolligons, DynaHaulers, and/or half-loaded TerraGators.</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>

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<p>ConocoPhillips Alaska Inc. (CPAI) Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com</p>	<p>Northeast NPR-A</p>	<p>May – September 2019</p>	<p>Petroleum related summer field work: weather station maintenance, archeology and wildlife surveys, etc.</p>	<p>2-5</p>	<p>Helicopter</p>	<p>6998</p>	<p>Alpine and Inigok</p>	<p>None</p>
<p>NordAq Energy</p>	<p><i>Proposed – Under review:</i> summer work area including NordAq oil and gas leases, and a five-mile-wide corridor between the existing DS-2P site in Kuparuk and Inigok</p>	<p>7 days between July 1 and October 1</p>	<p>Winter tundra travel route Delineation, Well Staking and Elevation Survey: • Aquatic Surveys: • Cultural Surveys</p>	<p>2-8</p>	<p>Helicopter</p>	<p>180</p>	<p>Deadhorse, Umiat</p>	<p>Deadhorse, Umiat</p>

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<p>Alaska Clean Seas Pouch 340022 Prudhoe Bay, Alaska 99734 1-907-659-3207 Office 1-907-943-1867 Mobile E-mail address: planning@alaskacleanseas.org</p>	<p>(under review) Various Locations through the National Petroleum Reserve-Alaska (NPR-A) Fish Creek, Tinmiaqsiugvik River, Crea Creek: Exploration drilling locations. Various locations along Fish Creek, Judy Creek, Inigok Creek, and possibly the Kalikpik River</p>	<p>(under review) Primarily in summer, 2-5 one-day spill response trainings in each area.</p>	<p>(under review) Oil Spill Response Training and Reconnaissance for deployment of equipment cache and determination of feasibility of pre-deploying protective boom.</p>	<p>(under review) 6-20</p>	<p>(under review) Mostly by boat or from existing roads. Remote sites may be accessed by helicopter.</p>	<p>(under review) 1-3</p>	<p>N/A</p>	<p>None</p>
<p>Nicole Hayes BLM Coastal Plain Leasing EIS Project Lead 222 West 7th Avenue, Stop #13 Anchorage, Alaska 99513 mnhayes@blm.gov (907) 271-4354</p>	<p>1002 Area (Coastal Plain) of the Arctic National Wildlife Refuge</p>	<p><i>Review Ongoing - Draft EIS published Dec. 2018 – Final expected August 2019</i></p>	<p>Leasing Plan for the Coastal Plain (1002 Area) of the Arctic National Wildlife Refuge as established by Tax Cuts and Jobs Act of 2017 (not fewer than 2 area-wide lease sales within 10 years, each offering at least 400,000 acres) Click here for the Coastal Plain Leasing EIS website</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
<p>Stephanie Rice BLM NPR-A Integrated Activity Plan EIS Project Lead BLM Alaska State Office 222 West 7th Ave., Anchorage, AK 99513 srice@blm.gov (907) 271-3202</p>	<p>National Petroleum Reserve in Alaska – entire area</p>	<p><i>Review Ongoing - Nov. 2018 – ##### 2020</i></p>	<p>New leasing plan management strategy for NPR-A Click here for the NPR-A IAP/EIS website</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>

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<p>Rachael Jones BLM Willow EIS Project Lead Planner 222 West 7th Avenue, Anchorage, AK 99513 ssweet@blm.gov (907) 271-4543</p>	<p>Northeast NPR-A, Bear Tooth Unit Willow Prospect Area</p>	<p><i>Review Ongoing Aug. 2018 – Feb. 2020</i></p>	<p>Willow Master Development Plan Environmental Impact Statement: central processing facility, infrastructure pads, up to five drill pads with up to fifty wells on each pad, access and infield roads (depending on alternative selected), airstrip, pipelines, two gravel mines, and a temporary island to support module delivery via sealift barges. Willow website.</p>	N/A	N/A	N/A	N/A	N/A

Science/Research/Surveys

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<p>Chris Arp University of Alaska Fairbanks P.O. Box 755280 Fairbanks, Alaska 99775</p>	<p>Study sites from Utqiagvik to Cape Halkett, Fish Creek and south to areas north of Umiat.</p>	<p>April 2019 – August 2021</p>	<p>Project entitled “Causes and Consequences of Catastrophic Lake Drainage in an Evolving Arctic System”</p>	2-6	<p>Snowmachine, helicopter (BLM summer helicopter), fixed wing plane.</p>	<p>Maximum 160 per year</p>	<p>Utqiagvik, Inigok, Umiat</p>	<p>Utqiagvik, Tesh Cabin, Inigok, Umiat, Oumalik, Atqasuk</p>
<p>Alaska Department of Fish & Game Division of Wildlife Conservation Richard Shideler 1300 College Road Fairbanks, Alaska 99701</p>	<p>NPR-A Wide</p>	<p>July 1 - September 30; July 15 - October 1</p>	<p>Continuation of an ongoing grizzly bear study that started in 1991 in the Prudhoe Bay/Deadhorse area: aerial radio-tracking surveys, capture, radio-collar deployment, and ground inspections of dens.</p>	2-3	<p>Helicopter (fixed wing used but does not land)</p>	40	N/A	N/A
<p>Bureau of Land Management (BLM) (Whitman)</p>	<p>Fish Creek Watershed; Teshekpuk Lake region</p>	<p>May 25-June 8; July 10-17; Aug 19-25</p>	<p>Fish & hydrology studies</p>	4	<p>Helicopter A-Star N70AE or N349PA</p>	150	Inigok, Umiat	Umiat

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Bureau of Land Management (BLM) (Nigro)	Scattered locations in NE NPR-A	June 8-19	Field station camp set up and maintenance, sling loads of debris	2	Helicopter A-Star N70AE or N349PA	50	Inigok, Umiat	Umiat
Bureau of Land Management (BLM) Joe Keeney (archaeologist) jkeeney@blm.gov and Tim Vosburgh (biologist) tvosburgh@blm.gov	Northeast NPR-A in the Willow Area west of Nuiqsut (NE NPR-A)	July 18-July 20	Cultural site survey, monitoring, and data collection in Willow area (Keeney). Vegetation monitoring and data collection in Willow pads areas (Vosurgh)	4	Helicopter A-Star N70AE or N349PA	42	Inigok, Ikpikpuk	Inigok
Bureau of Land Management (BLM) Joe Keeney (archaeologist) jkeeney@blm.gov and Tim Vosburgh (biologist) tvosburgh@blm.gov	Northern NPR-A along NSB Community Winter Access Trail route	July 21 – July 23	Cultural site survey, monitoring, and data collection (Keeney) and Vegetation monitoring and data collection (Vosburgh) along NSB Community Winter Access Trail route	4	Helicopter A-Star N70AE or N349PA	42	Inigok, Ikpikpuk	Inigok
Bureau of Land Management (BLM) Joe Keeney (archaeologist) jkeeney@blm.gov	Eastern NPR-A	June 27-July 2	Survey for cultural sites on extant and collapsed pingos. Possible stops in Willow area and eastern sections of NSB Community Winter Access Trail	3	Helicopter A-Star N70AE or N349PA	100	Inigok, Ikpikpuk	Inigok or Umiat
Bureau of Land Management (BLM) Joe Keeney (archaeologist) jkeeney@blm.gov & Pat Druckenmiller (UAF)	Upper Colville River north of Ivotuk (southcentral NPR-A, between upper Colville R. and Ocean Point	August 1-20	Upper Colville River paleontological survey	5-7	Rafts along river, Shuttle to/from river by Helicopter A-Star N70AE	24	Outboard motor gas with camps	Inigok, small camps along river
BLM Tim Vosburgh & Scott Guyer	Willow project area	August 10-August 13	Vegetation monitoring	2	Helicopter N70AE	10	Inigok	Inigok
BLM Scott Guyer & AIM crew	GMT2 area	July 29 - August 10	Assessment, Inventory and Monitoring (AIM) work – Vegetation Monitoring	3	Helicopter	70	Inigok	Inigok

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Benjamin M. Jones Assistant Research Professor Water and Environmental Research Center Institute of Northern Engineering University of Alaska Fairbanks 356 ELI Facility PO Box 755860 Fairbanks, AK 99775-5910 907-474-6794 bmjones3@alaska.edu WERC Biopage Google Scholar	Northwest Teshekpuk Lake	August 8 - 19	Maintaining observation systems and collecting synoptic survey data on environmental conditions	4	Fixed-wing	100	None	Northwestern Teshekpuk Lake at NARL Cabin
	Coastline north of Teshekpuk Lake (Drew Point)	August 12-16	Surveying the coast, maintaining cameras and stations, and collecting information on nearshore water conditions (Site Access for Permafrost Arctic Coastal Erosion (PACE) Observation Network/ (288401)	4	Helicopter	24	None	NARL cabin at Northwestern Teshekpuk Lake
Matthew Sturm UAF Geophysical Institute 903 Koyukuk Drive Fairbanks, AK 99775 msturm@alaska.edu	Various routes through the NPR-A	February through May each year, 2018-2028	Snow traverse by snowmobile, Annual snow studies (snow condition and snow cover). 10 to 30 days with daily travels between 20 to 50 miles.	2-10	2-6 Skandic Wildtrack four-stroke snowmobiles pulling 4-10 Northern Sledworks plastic sleds	None	40 gallons gas per snowmobile contained in either five-gallon plastic containers or 15-gallon cube tanks	In tents along route.
North Slope Borough Department of Wildlife Attn: Brian Person P.O. Box 69 Utqiagvik, Alaska 99723 brian_person@north-slope.org	North side of Teshekpuk Lake	Current – December 31, 2037	Right-of-Way (ROW) that would allow for the continued use of five caribou exclosures.	2 to 5	Boat, foot, & helicopter	22	:55 gallons of aviation fuel at NSB Wildlife cabin	NSB Wildlife Cabin
	Ikpikpuk and Piask river deltas	July 3 -15 and July 25 - August 4	Snow Goose Colony Nest Success Survey and Goose Banding	9	Fixed-wing and helicopter	H = 120 FW = 26	At camp site (300 gallons av gas)	Ikpikpuk and Piask River deltas
ADF&G (Andrew Gryska)	Twenty-two sample sites are located on Kogosukruk and Kikiakrorak rivers and on Prince Creek.	July 22-31	Research to describe the seasonal habitats and migrations of mature Arctic grayling in the lower Colville River relative to the Nuiqsut subsistence fishery area.	8	Helicopter	50	Umiat	Umiat

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<p>ADF&G Lincoln Parrett Wildlife Biologist Alaska Department of Fish & Game (ADF&G) 1300 College Rd. Fairbanks, Alaska 99701 Phone: 459-7366 Email: Lincoln.Parrett@alaska.gov</p>	<p>NPR-A wide with majority of effort in northern coastal plain particularly near Teshekpuk Lake & Inigok</p>	<p>1990 - Ongoing 2019: June 3-12; June 22-August 30; July 5-16</p>	<p>Teshekpuk Caribou Movement & Range Use - Caribou calving surveys & calf capture; adult caribou captures; photo census</p>	<p>2- 8</p>	<p>Fixed wing aircraft (8GCBC, PA-18, and DHC-2) out of Umiat for all 3 activity periods; an R-44 helicopter from June 3-12, June 22-Aug. 30, and July 5-16.</p>	<p>Helicopter 380</p>	<p>Umiat & Inigok</p>	<p>Umiat</p>
<p>Dr. George J. Divoky Friends of Cooper Island 652 32 Avenue East Seattle, WA 98112</p>	<p>Cooper Island</p>	<p>10 June - 10 September, 2019</p>	<p>Biological research of Black Guillemots</p>	<p>1 full time, second person for approximately 2 weeks in July and 3-4 weeks in August.</p>	<p>Snowmachine over sea ice early June - remote possibility 1-2 helicopter trips if sea ice unstable. After breakup, all be by boat with 3-4 charters from Utqiagvik.</p>	<p>Max 4</p>	<p>N/A</p>	<p>Cooper Island</p>
<p>Vanessa L. Lougheed University of Texas 500 W. University Ave El Paso, TX 79902</p>	<p>Elson Lagoon-Utqiagvik, Alaska</p>	<p>Beginning April 12, trips during break up (June) and open-water (July – August) seasons</p>	<p>Long-Term Ecological Research for Beaufort Sea Lagoons (water and sediment chemistry, benthic & water column collection, time lapse cameras, weather stations, sampling site at mouth of Avak Creek</p>	<p>Max 6</p>	<p>When possible boats launched into Elson Lagoon at the North Salt Lagoon boat launch. Outboard equipped Zodiaks, 26-29 foot aluminum hull craft. When the Lagoon is ice covered, access to Elson Lagoon will be land-based from UIC lands using snow machines and sleds.</p>	<p>0</p>	<p>Contained in boats.</p>	<p>N/A</p>

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USGS (John Pearce; Paul Flint)	Between Utqiagvik & the Colville River close to the coast: 13 brandt colonies	(2016 – 2019) -visit each of 13 brant colonies once per year.	Revisit the black brant goose nesting colonies (after eggs have hatched and birds have left the area). Examine evidence of nesting in relation to timing of break-up and meltwater levels. Revisit coastal permafrost subsidence transects.	3	Helicopter R-44 We will avoid aircraft use within a 10-mile radius of Nuiqsut. We will also avoid any additional locations as advised by BLM or other parties.	H = 120	Commercial or tank at Point Lonely	Utqiagvik & Point Lonely
UAF/The Wilderness Society (Jason Leppi): jason_leppi@tw.s.org	Along the Colville River near Umiat (N 69.40520 W 151.88393)	1 day between June 24-28	Relocate telemetry tower equipment for tracking tagged broad whitefish	2	Fixed wing	4	None	None
Bureau of Land Management (BLM) Deb Nigro: Email: dnigro@blm.gov; work: 474-2324	Northeast NPR-A Arctic Coastal Plain	1986-ongoing	Eider Survey: track the status of the Alaska breeding populations of spectacled & Steller's eiders through time.	N/A	N/A	N/A	N/A	N/A
	Barrow Triangle	1999-Ongoing	Intensive survey of the Barrow Triangle area designed to track the status of the Alaska breeding population of Steller's eiders through time.	N/A	N/A	N/A	N/A	N/A
	NPR-A	2006-Ongoing	North Slope Eider Information & Education work w/ the FWS Endangered Species Program & Eider Recovery Team to determine which recovery tasks can be addressed using outreach & education methods. The high priority recovery tasks addressed by the outreach program include: 1) Reduce exposure to lead; 2) Reduce nest predation & disturbance; 3) Reduce hunting & shooting mortality; 4) Develop partnerships for recovery efforts	N/A	N/A	N/A	N/A	N/A

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<p>University of Alaska IARC ATTN: Mr. Go Iwahana P.O. Box 757340 Fairbanks, Alaska 99775-7340</p>	<p>Two areas south of Toolik Lake near the Dalton Highway & one area west of the village of Nuiqsut</p>	<p>May 1, 2016 - April 30, 2036</p>	<p>Study of Permafrost Degradation & Thermokarst Development</p>	<p>Up to 8</p>	<p>In winter, snowmachine. In summer, by foot. Site P_11 west of Nuiqsut will be accessed by boat or on foot in the summer. From site camps, lakes for water sampling will be accessed by small inflatable boat.</p>	<p>0</p>	<p>In winter, carried in sleds behind snowmachines. In summer, fuel at camps will consist of a small quantity for cooking & 2 gallons of unleaded fuel for use in the augers & outboard motor.</p>	<p>Tent camps at sites for 1-2 days annually during site visit</p>
<p>Patrick Druckenmiller Earth Science Curator University of Alaska Museum 1962 Yukon Dr. Fairbanks, AK 99775</p>	<p>Prince Creek Formation, Lower Colville River area (overarching study/permit)</p>	<p>August 2-20 2018 through 2020</p>	<p>Fossil prospecting/ Paleontological survey and excavation activities</p>	<p>Up to 9</p>	<p>Fixed-wing aircraft from Happy Valley and/or Deadhorse (contingent upon weather)/motorized inflatable rafts and by foot.</p>	<p>14</p>	<p>Boat fuel in approved containment</p>	<p>Tent camps along river</p>
<p>IRIS/US Array Robert Busby, TA Manager 1200 New York Ave, NW Suite 400 Washington, DC 20005</p>	<p>Kasegaluk, Barrow, Sinclair Lake, Kokolik, Meade River, Ikpikpuk River, Teshekpuk Lake, Utukok River, Lookout Ridge, Knofe Blade Ridge, Kuna River, Etivluk River, Nygu River</p>	<p>Before June 1 or after July 31</p>	<p>Maintain and service 13 seismic array stations</p>	<p>1 - 3</p>	<p>Helicopter</p>	<p>26</p>	<p>None</p>	<p>None</p>

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Wildlife Conservation Society (Sally Anderson, project lead sandersen@wcs.org)	Northeast NPR-A, northeast of Teshekpuk Lake in Qupaluk Flyway Network Site	June 18-July 10	<p>1) Point counts across the northern half of Qupaluk to determine species composition of migratory birds</p> <p>2) Nest search using the rope-drag method to evaluate nest density</p> <p>3) Tag 3 pectoral sandpipers and 3 red phalarope with transmitters</p>	6	Helicopter	12	N/A	Tent camps near fixed-wing landing site within study area
	Barrier islands of Kasegaluk Lagoon	June and July	Locate and monitor common eider nests	2 - 8	Fixed-wing	24	None	70.295390, 161.277288 (11N/38W) near Akoliakatat Pass.
University of Cincinnati (Joshua Miller)	Utokok, Kokolik, Colville, Koalik, Omikmuktusuk, Kektik, Avalik, Etivluk, and Nuka Rivers (and possibly Meade River)	July 15 - 31	Evaluate the WAH calving grounds by surveying regions of habitat along river margins.	6	Helicopter	70	None	?
IRIS/US Array Robert Busby, TA Manager 1200 New York Ave, NW Suite 400 Washington, DC 20005	Utqiagvik, Alaska at USGS observatory Right of Way Renewal for Earthquake Monitoring System	Until Dec. 2021	Seismic instrument maintenance	1-2	Personnel would walk to the site from the Utqiagvik Air Force site road. If the road is not plowed, they may use a snowmachine.	0	N/A	N/A

Infrastructure Development

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<p>Olgoonik Construction Services David Smith 3201 C Street, Suite 700 Anchorage, AK 99503</p>	<p>3-4 target areas near Atqasuk</p>	<p>Within the timeframe of February 1 to May 30, 2019 with drilling anticipated to begin in March.</p>	<p>Geotechnical Exploration (gravel search)</p>	<p>Up to 10</p>	<p>Snowmachine, track-enclosed drill carried and supported by winter tundra travel approved vehicles</p>	<p>0</p>	<p>Atqasuk</p>	<p>Atqasuk</p>
<p>State of Alaska Division of Geological and Geophysical Surveys (DGGS)</p> <p>Dr. Trent Hubbard Corridor Studies- Surficial Geologic Mapping Engineering Geology Section Alaska Division of Geological & Geophysical Surveys</p> <p>3354 College Road Fairbanks, Alaska 99709-3707 Tel: (907) 451-5009 Email: trent.hubbard@alaska.gov Web: www.dggs.alaska.gov</p>	<p>Northeastern NPR-A</p>	<p>July 8 - 29</p>	<p>1) making observations and collecting samples from surface exposures; 2) using small, gas-powered soil augers to collect samples from the shallow subsurface; and 3) using a helicopter-supported drill rig to collect deeper subsurface samples and make observations of subsurface materials</p>	<p>8</p>	<p>Helicopter</p>	<p>836</p>	<p>Inigok</p>	<p>Inigok</p>
<p>Bureau of Indian Affairs Alaska Regional Office 3601 C Street, Suite 1200 Anchorage, Alaska 99503</p>	<p>Northeast Alaska near Nuiqsut; Colville River Access Road route between Nuiqsut's fresh water lake and Colville River</p>	<p>March 16, 2019 – December 31, 2049</p>	<p>Renew the BIA Right-of-Way for the Colville River Access Road route</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>

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ASTAC (Arctic Slope Telephone Association Cooperative, Inc.) 4300 B Street, Suite 501 Anchorage, Alaska 99503	Between Utqiagvik and Atqasuk (following Walakpa Gas Field Pipeline to southern terminus then paralleling the commonly used winter trail corridor between Utqiagvik and Atqasuk).	Summer 2019 field survey between August 1 and September 30. Cable laid 25- 35 days during winter 2019-2020. Cable seating summer 2020.	Installing and using a fiber optic cable from Utqiagvik to Atqasuk (Right of Way)	1-2 crews with 4-6/crew	Winter: Low ground pressure vehicles (LGPVs like Tucker Sno-Cat and Steiger) to transport crews and equipment. Summer: summer approved tundra travel vehicles or helicopter.	To be determined	Up to 2,500 gallons with the mobile camps, disbursed to field crews in quantities up to 500 gallons. May require total use up to 10,000 gallons.	Summer survey: Utqiagvik or Atqasuk Installation: Initially in Utqiagvik, 1-2 mobile sleigh camps along the route hauled by a Steiger, and in Atqasuk.
Barrow Utilities & Electric Cooperative, Inc. P.O. Box 449 Utqiagvik, Alaska 99723	Lot 1, Block 20, USS 4615. 1295G Agvik Street, Utqiagvik, Alaska 99723	2017-2020	Construction of a new electrical Switchgear Building	Standard construction crew	Road system in Utqiagvik	0	N/A	N/A

Transportation

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
North Slope Borough P.O. Box 69 Utqiagvik, Alaska 99723	2019: Route to Wainwright added to existing permit 2P Pad to Utqiagvik (235 miles) and Utqiagvik to Atqasuk (68 miles) with overlap/merged trails	5 yr Right of Way. Prepacking in December or early January, activities continue until the close of tundra travel.	NSB Community Winter Access Trail system (CWAT)	Varies	Two Pisten Bully 400 tracked vehicles; road vehicles (users). 2 Steigers to manage caravan, provide trail maintenance and recovery operations. Approx. 200-300 vehicles will use the system, 10-15 local vehicles per caravan trip.	0	One Pisten Bully will be equipped with a 500 gallon, double walled fuel tank mounted on a sled. Approximately 20,000 gallons of diesel would be used over the course of the project.	Travel over a single day would use either a towable safety trailer or use a temporary structure that the contractor provides near the midway point of the trail.
Arctic Transportation & Logistics James Pebley, Owner P.O. Box 1733 Barrow, Alaska 99723	On grounded sea ice, overland on routes of established Rolligon or Steiger trails, compacted snow trails or a combination of the three, whichever is the safest for the travel at the time of departure.	January – April 2019 – 2014.	Cargo Hauling	Mr. Pebley and possibly 1-2 assistants	Mr. Pebley via four-wheel drive trucks (Ford F-350s) equipped with a Mattracks Track Conversion System or oversized tires.	0	N/A	Mr. Pebley would carry up to 200 gallons of either diesel fuel or unleaded gasoline on the back of his truck
Arnie's Northern Outfit and Cargo Arnold Arey, Owner P.O. Box 454 Barrow, Alaska 99723	NPR-A along routes between Deadhorse/Prudhoe Bay and Utqiagvik, Atqasuk, Nuiqsut, and Wainwright	Winter months – December 31, 2024	Cargo Hauling	3-4	Dodge 3500 Turbo Diesel Super Duty Truck with Mattracks and a 22-foot-long by 8-foot wide custom-made plastic sled. Summit 800 ETEC Snow Machine.	0	90 gallons of diesel fuel on the back of Arey's truck secured with ratchet straps	Tents along route if needed
Olgoonik Oilfield Services 3201 C. Street Suite 700 Anchorage, Alaska 99503	From Utqiagvik to Atqasuk	Winter tundra travel season ~ January 1, 2018 – April 30, 2021	Tundra travel to transport fuel	10	1 Tucker, 5 Case Steigers, pulling 10 double sleigh tanks (fuel trailers)	0	N/A	0

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
ASIAQ, LLC (subsidiary of Atqasuk Corporation) Michael D. Stotts, General Manager 1728 Ahkovak Street P.O. Box 1169 Barrow, Alaska 99723	Between Utqiagvik, Atqasuk and Wainwright	Approval – 2023	Travel and haul freight between Utqiagvik, Atqasuk and Wainwright using (NSB) Community Winter Access Trail (CWAT)	Small crews	2019 Chevrolet truck, 2001 truck, 1983 Chevy Suburban, 2019 Military Range XP900 all with Mattracks, goose neck trailer, Polaris snowmchainses, Siglund sleds	0	N/A	N/A
Alaska West Express Inc. Lynden Oilfield Services 1048 Whitney Road Anchorage, Alaska 99501	Utqiagvik to Atqasuk and Wainwright	Winter tundra travel season; Five year Right-of-Way (ROW), activity date ROW issuance – May 1, 2023	Cargo delivery Right-of-Way (ROW) Amendment route addition (route from Utqiagvik to Atqasuk and Wainwright).	2	Pisten Bullys and/or Caterpillar 730c tracked vehicles	0	N/A	Trucks are equipped with an enclosed heated sleeper.
Peak Oilfield Services	NPR-A wide	Winter tundra travel season 2015 – 2035	Overland Tundra Travel/ NPR-A Right-of-Way	12	Rolligons, sometimes Tuckers	0	The Rolligons primarily haul fuel to communities & refuel from their own supply en route.	None: drivers take breaks in the cabins of the machines along the route. Peak has a base camp at Deadhorse.

Restoration/Cleanup

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
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<p>Olgoonik Construction Services, LLC 3201 C Street, Suite 700 Anchorage, AK 99503</p>	<p>Southern side of the Colville near Chandler/ Colville confluence and upriver on the Chandler River at 3 legacy well sites on Arctic Slope Regional Corporation (ASRC) lands outside (NPR-A)</p>	<p>January to September 2019 (6-12 days between July 1 and September 30)</p>	<p>Gubik Grandstand Cluster Legacy Wells Remediation</p>	<p>24-26</p>	<p>Phase 1 (winter): Off-road vehicles pull Cat Train Camp and tracked/skid sleighs with support equipment. Airstrip on grounded ice lake or tundra. Phase 2 (summer): helicopter from either Deadhorse or Umiat will sling-load debris to Umiat, fixed-wing will transport debris from Umiat to permitted disposal site.</p>	<p>46 fixed wing Phase 2 (Summer): 2 helicopters, 40 take offs and landings.</p>	<p>Deadhorse, Umiat 90,000 and 110,000 gallons stored in 2,500 to 3,300-gallon mobile fuel tanks with built in secondary containment</p>	<p>Phase 1 (winter): Cat train camp on skids Phase 2 (summer): Either Deadhorse or Umiat</p>								
<p>Olgoonik Construction Services James Nunley 3201 C Street, Suite 700 Anchorage, AK 99503</p>	<p>Approximately 25 miles southeast of Utqiagvik on the shore of Elson Lagoon</p>	<p>Between March 1 and April 30, 2019</p>	<p>Tulageak Legacy Well Reserve and Flare Pit Delineation</p>	<p>Up to 15</p>	<p>Via Utqiagvik-Atqasuk snow road then ~ 27 miles east with</p> <table border="1" data-bbox="1724 963 2013 1296"> <tr><td>Drill Rig</td></tr> <tr><td>Trailer on Skis</td></tr> <tr><td>Steiger</td></tr> <tr><td>Tucker</td></tr> <tr><td>Snow Machine</td></tr> <tr><td>Cat Camp</td></tr> <tr><td>Sleeper</td></tr> <tr><td>Fuel Shed</td></tr> </table>	Drill Rig	Trailer on Skis	Steiger	Tucker	Snow Machine	Cat Camp	Sleeper	Fuel Shed	<p>0</p>	<p>On site with containment. Up to 5,000 gallons anticipated</p>	<p>Cat camp owned and operated by OCS</p>
Drill Rig																
Trailer on Skis																
Steiger																
Tucker																
Snow Machine																
Cat Camp																
Sleeper																
Fuel Shed																
<p><i>Native Village of Barrow</i></p>	<p><i>Skull Cliff</i></p>	<p><i>Summer 2019 – Currently in planning stage only, no permit/review to date</i></p>	<p><i>Skull Cliff debris staging for clean up</i></p>	<p><i>TBD</i></p>	<p><i>Summer approved tundra vehicles</i></p>	<p><i>0</i></p>	<p><i>TBD: most likely ATV fuel in small containers on sleds or strapped to ATV</i></p>	<p><i>N/A</i></p>								

Inspections

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Bureau of Land Management (BLM) Donna Wixon: (907) 474 - 2301, Email dwixon@blm.gov	Olgoonik/NSB et al. Ocen Point to Utqiagvik to Atqasuk to Wainwright	June 20-25, or July 4-9, or July 25-30, or August 26-31	Trail Inspections	4	Helicopter A-Star N70AE or N349PA	20	Inigok, Ikpikpuk, Umiat, Utqiagvik, Wainwright	Inigok, Umiat
	South NPR-A (south of 70 degree N) & south of NPRA		Site Inspections	4	Helicopter A-Star N70AE or N349PA	40	Inigok, Ikpikpuk, Umiat, Ivotuk	Inigok/Umiat
	CAMA		Site Inspections	4	Helicopter A-Star N70AE or N349PA	20	Inigok, Ikpikpuk, Umiat, Ivotuk	Inigok/Umiat
	USGS (Frank Urban's) weather stations		On site work	3	Helicopter A-Star N70AE or N349PA	10	Ikpikpuk, Inigok, Utqiagvik	Inigok/Umiat
	Conoco sites NE NPRA		Trail & Site Inspections	4	Helicopter A-Star N70AE or N349PA	40	Inigok, Ikpikpuk, Umiat, Utqiagvik	Inigok/Umiat/Deadhorse
	Various other locations throughout NPR-A		Site Inspections	4	Helicopter A-Star N70AE or N349PA	20	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Inigok/Umiat/Deadhorse
	Northern NPR-A		Oil/gas (sites & trails) & Lands/realty (sites & trails) inspections	4	Helicopter A-Star N70AE or N349PA	40	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Inigok/Umiat/Deadhorse
	Umiat (south of 70 degree N)		Site Inspections	4	Helicopter A-Star N70AE or N349PA	40	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Inigok/Umiat/Deadhorse
	Legacy Wells		Legacy Wells site compliance visits	4	Helicopter A-Star N70AE or N349PA	40	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse, Wainwright	Inigok/Umiat/Deadhorse
Bureau of Land Management (BLM) Donna Wixon: (907) 474 - 2301, Email dwixon@blm.gov	Point Lay Area	July 4-9	Site Inspections	5	Helicopter A-Star N70AE or N349PA	8	Inigok, Ikpikpuk, Umiat, Utqiagvik, Wainwright	Utqiagvik

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Bureau of Land Management (BLM) Melody Debenham kdebenham@blm.gov 907-474-2307	Northern NPR-A	June 9-11	HazMat Inventory	3	Helicopter A-Star N70AE or N349PA	50	Inigok, Umiat	Umiat
Bureau of Land Management (BLM) Melody Debenham kdebenham@blm.gov 907-474-2307	Northern NPR-A	August 14-21	HazMat Drum Cache Inventory	3	Helicopter A-Star N70AE or N349PA	50	Inigok, Umiat	Umiat
Unanticipated BLM authorization requests	NPR-A wide	June - September	VIP visits, Legacy Well compliance visits	2 - 6	Fixed-wing and helicopter	H = 200 FW = 50	Umiat, Inigok, Utqiagvik, Deadhorse	None

Recreation

WHO	WHERE	WHEN	WHAT	NO. PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
No applications received yet								

Guided Hunting

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Richard A. Guthrie Master Guide and Outfitter P.O. Box 220949 Anchorage, Alaska 99522	State Game Management Area 26-08	Between August 1 and September 10, 2019	Guided bear, caribou, and wolf hunts	12 (two trips with three guides and three clients each)	Piper fixed wing wheeled aircraft landing on state land at the spike camp	If any on BLM land, max 12	N/A	Two spike camps on State land, none on BLM managed land.

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Richard W. Stewart www.rwsguide.com DBA RWS Guide Service 297 Adamson Circle Soldotna, Alaska 99669	State Game Management Area 26-12, Nigu River. Put in at either Hunter Lake or Cowboy Lake and take out at Pac Paddle Lake.	August 4-18	Guided Hunts (bear, caribou)	4-7	Fixed-wing, river rafts	8	N/A, propane for cooking at spike camps	Spike camps along the river would be at random locations with no camping spot being used for more than 14 days nor more than one time per season
Clay Roberts DBA Big Wild Outfitters P.O. Box 177 Cantwell, Alaska 99729	Put in at Hunter Lake, raft down Nigu and Etivluk, take out lower Packpaddle Lake	10 day-trip between June 1 – June 30, 2019	Guided brown bear hunt	6	Fly in and out on fixed-wing charter, raft along rivers	8	N/A	Spike camps along river

* Updated versions of this spreadsheet and other associated documents are available from the BLM (Phone: 907-474-2309, Email: sfritz@blm.gov)

* The National Petroleum Reserve in Alaska (NPR-A) is managed by the U.S. Department of the Interior Bureau of Land Management (BLM).

** **Number of Take Offs and Landings:** BLM is required to track the total number of take offs and landings that an aircraft makes on BLM-managed land because that is the actual disturbance event for Endangered Species Act (ESA) species due to the rotor wash and noise that could spook said species and could result in a "take." This is not the number of flights: One "flight" could require multiple landings and take-offs. Nor does this number necessarily represent twice the number of flights. (Some may consider a flight to consist of everything between when an aircraft leaves its home base and when it returns, not every single leg of that aircraft when it touches down. However, others may consider that a helicopter flying an ice road route and taking off from point A and moving 1 mile away to point B to pick up sticks constitutes a flight.)

The number of use days by aircraft is likely a more accurate metric of disturbance for most resources (e.g., caribou, hunters).

Beginning in 2017,

industry was required to provide more detailed flight reporting and BLM is better able to characterize actual flight activity that is occurring.

This spreadsheet only includes projects that are permitted by the BLM: it is not a complete list of science & research projects in the NPR-A or on the North Slope. Many North Slope projects not listed here are coordinated by the North Slope Borough's Dept. of Wildlife Management, by the National Science Foundation (NSF), by the U.S. Dept. of the Interior Bureau of Ocean Energy Management (BOEM, formerly MMS), or through universities. A web-based & searchable index of NSF & many other projects can be found at: <http://armap.org> A list of the Bureau of Ocean & Energy Management's (BOEM) new & ongoing projects in the Chukchi & Beaufort seas can be found here: <http://www.boem.gov/akstudies/> The North Slope Science Initiative's website also provides information on science projects at <http://www.northslope.org>

For more information on BLM's projects or to obtain copies of this spreadsheet, please contact Stacey Fritz in BLM's Arctic District Office: 222 University Ave. Fairbanks, AK 99709 Phone: (907)474-2309; toll free 1-800-437-7021; cell (907) 687-6549; email sfritz@blm.gov