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**APPENDIX 2**

**PROJECTS, PLANS AND OTHER ACTIONS  
INCORPORATED INTO THE COMPREHENSIVE PLAN**

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## PROJECTS, PLANS, AND OTHER ACTIONS INCORPORATED INTO THE COMPREHENSIVE PLAN

The Commission has been incorporating projects, plans, and other actions into its Comprehensive Plan since 1973. Section 14.1 of the Compact states that the Plan shall include public and private projects and facilities “which are required, in the judgment of the commission, for optimum planning, development, conservation, utilization, management, and control of the water resources of the basin to meet present and future needs.” In accordance with this authority, the following projects, plans, policies, programs, and regulations are included in the Comprehensive Plan.

Table 2-1 lists federal, state, and private water resource projects. Table 2-2 lists plans, policies, programs, and regulations.

Finally, Table 2-3 lists the numerous water use facilities approved under the Commission’s regulatory program. These facilities include many individual projects since some facilities have more than one project as indicated by the multiple approvals listed in Table 2-3. A brief description of the facilities is included under the NAICS (North American Industry Classification System) Title column. Project approval remains in effect until the expiration date unless: (1) the withdrawal, diversion or consumptive use of water has not commenced within three years of the approval; (2) the withdrawal, diversion or consumptive use of water is discontinued for five years; or (3) the project is abandoned. Extension of the project approval beyond the expiration date requires an application be submitted by the project sponsor and it be approved by the Commission. Table 2-3 lists a few projects that are past their expiration dates, but are still considered active. In these cases, the project sponsors have submitted or are in the process of submitting applications to reapply for water use approvals. If approved, a new expiration date will be set.

**Table 2-1. Water Resource Projects**

	<b>Year Incorporated</b>	<b>Federal Projects</b>
1	1976	Loyalsock Township Local Flood Protection Project (Pa.)
2	1980	Lock Haven Local Flood Protection Project (Pa.)
3	1981	Wyoming Valley Local Flood Protection Project (Pa.)
4	1992	Lackawanna River Flood Protection Projects (Scranton and Olyphant, Pa.)
5	1992	Curwensville Lake Storage Reallocation Project (Pa.)
6	2007	Whitney Point Lake Section 1135 Project Modification, Broome County, N.Y.
7	2008	USACE Reservoir System - Almond Lake (N.Y.), Arkport Dam (N.Y.), Aylesworth Lake (Pa.), Alvin R. Bush Dam (Pa.), Cowanesque Lake (Pa.), Curwensville Lake (Pa.), East Sidney Lake (N.Y.), Indian Rock Dam (Pa.), Raystown Lake (Pa.), Foster J. Sayers Dam (Pa.), Stillwater Lake (Pa.), Whitney Point Lake (N.Y.), Tioga-Hammond Lakes (Pa.)
8	2008	Addison Local Flood Protection Project (N.Y.)
9	2008	Avoca Local Flood Protection Project (N.Y.)
10	2008	Bath Local Flood Protection Project (N.Y.)
11	2008	Binghamton Local Flood Protection Project (N.Y.)
12	2008	Canisteo Local Flood Protection Project (N.Y.)
13	2008	Corning-Painted Post Local Flood Protection Project (N.Y.)
14	2008	Elmira Local Flood Protection Project (N.Y.)
15	2008	Endicott-Johnson City Local Flood Protection Project (N.Y.)
16	2008	Greene Local Flood Protection Project (N.Y.)

	<b>Year Incorporated</b>	<b>Federal Projects</b>
17	2008	Hornell Local Flood Protection Project (N.Y.)
18	2008	Lisle Local Flood Protection Project (N.Y.)
19	2008	Nichols Local Flood Protection Project (N.Y.)
20	2008	Oxford Local Flood Protection Project (N.Y.)
21	2008	Whitney Point Village Local Flood Protection Project (N.Y.)
22	2008	Elkland Local Flood Protection Project (Pa.)
23	2008	Howard Local Flood Protection Project (Pa.)
24	2008	Mansfield Local Flood Protection Project (Pa.)
25	2008	Sunbury Local Flood Protection Project (Pa.)
26	2008	Williamsport-South Williamsport Local Flood Protection Project (Pa.)
27	2008	York Local Flood Protection Project (Pa.)

	<b>Year Incorporated</b>	<b>Pennsylvania Projects</b>
1	1980	Lebanon Local Flood Protection Project
2	1984	Moosic Local Flood Protection Project
3	1984	Cherry Tree Local Flood Protection Project
4	1984	Huntingdon Local Flood Protection Project
5	1991	Wildcat Creek Flood Protection Project
6	1994	Tanners Run Flood Protection Project
7	1994	Wadham Creek Flood Protection Project
8	1994	Mill Creek Flood Control Project (City of Wilkes-Barre and Plains Twp.)
9	1994	Milesburg Borough Stream Diversion Project
10	1994	Mahoning Creek Flood Protection Project
11	1994	Hop Bottom Flood Protection Project
12	1994	Exeter Borough Flood Protection Project
13	1994	Abrahams Creek Stream Improvement Project
14	1995	City of Scranton and Dunmore Borough Flood Control Project (Lindy Creek, Keyser Creek and Meadow Brook)
15	1999	Mill Creek Flood Control Project (Borough of Avoca)
16	2002	Migratory fish passageway at Lake Augusta Inflatable Dam, near Sunbury
17	2007	Lancashire No. 15 Abandoned Mine Drainage Treatment Plant, Cambria County

	<b>Year Incorporated</b>	<b>New York Projects</b>
1	1977	Gang Mills Local Flood Protection Project
2	1977	Hodgmans Creek Local Flood Protection Project

	<b>Year Incorporated</b>	<b>Major Electric Power Plants</b>
	2008	AES Hickling AES Ironwood CCGT Power Plant * AES Jennison AES Westover Generating Station * Archbald Power Station Brunner Island Steam Electric Station * Conowingo Hydroelectric Station Holtwood Hydroelectric Project Hunlock Power Station John B Rich Memorial Power Station/Gilberton CoGen Plant * Montour Steam Electric Station * Muddy Run Pumped Storage Facility Peach Bottom Atomic Power Station * Rock Springs Generation Facility * Safe Harbor Hydroelectric Station * Shawville Generating Station Sunbury Generation Facility Susquehanna Steam Electric Station * Three Mile Island Nuclear Station * York Haven Hydro Station

\* **Note:** These facilities have also been approved for specific water use by the Commission. See Table 2-3.

	<b>Year Incorporated</b>	<b>Major Fish Passage Facilities</b>
	2008	At Conowingo Hydroelectric Station At Holtwood Hydroelectric Project At Safe Harbor Hydroelectric Station At York Haven Hydro Station

**Table 2-2. Plans, Policies, Programs and Regulations**

	<b>Year Incorporated</b>	<b>Commission Plan, Policy, Program or Regulation – Action Taken</b>
1	1973	Comprehensive Plan – Adopted
2	1980	Comprehensive Plan – Amended to set a goal to acquire and manage water supply storage
3	1980	Comprehensive Plan – Amended to recognize pre-Compact diversions
4	1982	Cowanesque Reservoir Project Purpose – Modified through a plan to include water supply (along with flood control and recreation)
5	1982	Comprehensive Plan – Amended to include “Amendment to Comprehensive Plan Providing a Strategic Plan for Restoration of Diadromous Fishes to the Susquehanna River Basin” (In 2002, this program was changed to “Alosid Management and Restoration Plan for the Susquehanna River Basin”)
6	1987	Comprehensive Plan – Revised
7	1996	ICEJAMS Committee Action Plan – Adopted (plan was led by the Commission but developed by an interagency committee)
8	2006	Conowingo Pond Management Plan – Adopted
9	2006	Regulations and Procedures for Review of Projects – Revised
10	2007	Comprehensive Plan – Revised to incorporate provisions of revised regulations (#9 above) and incorporate revised Aquifer Testing Guidance
11	2008	Groundwater Management Plan for the Susquehanna River Basin – Adopted
12	2008	Consumptive Use Mitigation Plan for the Susquehanna River Basin – Adopted
13	2008	Susquehanna River Basin Drought Coordination Plan
14	2008	Comprehensive Plan – Revised
15	2009	Low Flow Monitoring Plan for the Susquehanna River Basin – Adopted
16	2009	Comprehensive Plan – Amended to include “Low Flow Monitoring Plan for the Susquehanna River Basin,” various water use projects, and the Water Resources Program for Fiscal Year 2010-2011
17	2011	Comprehensive Plan – Amended to include “Migratory Fish Management and Restoration Plan for the Susquehanna River Basin,” various water use projects, and the Water Resources Program for Fiscal Year 2012-2013
18	2012	Comprehensive Plan – Amended to include various water use projects and the Water Resources Program for Fiscal Year 2013-2014
19	2013	Comprehensive Plan – Completed 5-year update of 2008 Plan
20	2014	Comprehensive Plan – Amended to include the Water Resources Program for Fiscal Year 2015-2016, “American Eel Restoration Plan for the Susquehanna River Basin,” and various water use projects

	<b>Year Incorporated</b>	<b>Plan, Policy, Program or Regulation of Others</b>
1	1980	Pa. Wild and Scenic Rivers System – Stony Creek
2	1981	Pa. Wild and Scenic Rivers System – Lick Run
3	1983	Pa. Wild and Scenic Rivers System – Octoraro Creek
4	1987	Pa. Wild and Scenic Rivers System – Letort Spring Run
5	1988	Pa. Wild and Scenic Rivers System – Tucquan Creek and Clark Run Tributary
6	1991	Pa. Wild and Scenic Rivers System – Pine Creek
7	1993	Pa. Wild and Scenic Rivers System – Yellow Breeches Creek
8	1995	Chesapeake Bay Policy for the Introduction of Non-Indigenous Aquatic Species
9	2008	National Weather Service’s Susquehanna Flood Forecast and Warning System
10	2008	Strategic Plan for Flood Forecast and Warning-Susquehanna Improvements Program
11	2011	Migratory Fish Management and Restoration Plan for the Susquehanna River Basin – Adopted
12	2014	American Eel Restoration Plan for the Susquehanna River Basin

**Table 2-3. Active Commission Approved Water Use Projects**

Facility Name	Municipality	State	Approval Type Approval by Rule (ABR) Consumptive Use (CU) Diversion (DIV) Groundwater (GW) Surface Water (SW)	NAICS Title	Approval Date(s)	Expiration Date(s)
Aberdeen, City of / Aberdeen, City of	Halls Cross Roads District	MD	SW,CU	Water Supply and Irrigation Systems	12/12/2002, 06/12/2003, 08/14/2003, 09/08/2004, 12/05/2019	12/31/2020, 12/31/2020, 12/31/2020, 12/31/2020, 12/31/2020
Adams & Hollenbeck Waterworks, LLC / Salt Lick Creek	New Milford Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/31/2023
Adamstown Borough / Adamstown, Borough of	Adamstown Borough	PA	GW	Water Supply and Irrigation Systems	9/20/2012	9/19/2027
ADLIB Resources, Inc. / Meshoppen Creek	Springville Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
Afton Golf Course, Inc. / Afton Golf Course, Inc.	Afton Town	NY	CU	Golf Courses and Country Clubs	02/06/2003, 04/30/2020	02/06/2028, 02/06/2028
Air Products and Chemicals, Inc. / Air Products and Chemicals, Inc.	East Hempfield Township	PA	CU	Industrial Gas Manufacturing	6/8/2005	6/8/2030
Akron, Borough of / Akron, Borough of	Akron Borough	PA	GW	Water Supply and Irrigation Systems	09/19/2013, 10/18/2016	09/18/2028, 04/06/2039
Albany International / Albany International	Homer Village	NY	GW	Spring and Wire Product Manufacturing	12/15/2004, 12/05/2006	12/15/2029, 12/15/2029
Albemarle Corporation / Tyrone, PA Plant	Tyrone Borough	PA	CU	Chemical Manufacturing	4/9/2013	4/9/2028
Allegheny Mountain Spring Water, Incorporated / Roaring Spring	Roaring Spring Borough	PA	SW,CU	Bottled Water Manufacturing	9/20/2012	9/19/2027
Alliance Petroleum Corporation / Sterling Run Club 4	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2017	6/15/2022
Alliance Petroleum Corporation / Sterling Run Club 5	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2017	6/15/2022
Alliance Sanitary Landfill, Inc. / Alliance Sanitary Landfill, Inc.	Ransom Township	PA	GW,SW,CU	Solid Waste Landfill	06/09/2004, 04/30/2020	06/09/2029, 06/09/2029
Altoona Water Authority / Altoona Water Authority	Altoona City	PA	SW	Water Supply and Irrigation Systems	05/10/1984, 05/01/2008	05/21/2034, 05/01/2032
Alvogen, Inc./Norwich Pharmaceuticals, Inc. / Norwich Pharmaceuticals, Inc.	North Norwich Town	NY	GW,CU	Pharmaceutical and Medicine Manufacturing	09/14/2005, 12/06/2018	09/14/2030, 09/14/2030
American Legion Country Club / American Legion Country Club	Wayne Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 04/30/2020	08/15/2027, 08/15/2027
Aqua America, Inc. / Aqua Pennsylvania, Inc. / SCI Waymart	Canaan Township	PA	GW,CU	Correctional Institutions	8/14/2003	8/14/2028
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Beech Mountain	Dennison Township	PA	GW	Water Supply and Irrigation Systems	3/15/2019	3/14/2034

Facility Name	Municipality	State	Approval Type Approval by Rule (ABR) Consumptive Use (CU) Diversion (DIV) Groundwater (GW) Surface Water (SW)	NAICS Title	Approval Date(s)	Expiration Date(s)
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Eagle Rock Utilities	Hazle Township	PA	GW	Water Supply and Irrigation Systems	12/05/2006, 06/07/2012, 09/06/2019	12/05/2031, 06/06/2027, 09/05/2034
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Midway Manor	Kingston Township	PA	GW	Water Supply and Irrigation Systems	3/10/2016	3/9/2031
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Mifflin Township Water Authority	Mifflin Township	PA	GW	Water Supply and Irrigation Systems	12/12/2013	12/11/2028
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Monroe Manor	Monroe Township	PA	GW	Water Supply and Irrigation Systems	09/16/2010, 12/16/2010, 06/23/2011	09/15/2025, 12/15/2025, 06/22/2026
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Roaring Creek Division	Coal Township	PA	SW	Water Supply and Irrigation Systems	9/8/1988	9/30/2038
Aqua America, Inc. / Aqua Pennsylvania, Inc.-Susquehanna Division	Athens Borough	PA	GW	Water Supply and Irrigation Systems	6/14/2001	6/14/2026
Aqua America, Inc. / Aqua Pennsylvania, Inc.-White Rock Acre Estates	Monroe Township	PA	GW	Water Supply and Irrigation Systems	12/15/2004	12/15/2029
Aqua-ETC Water Solutions, LLC / Regional Pipeline System	Piatt Township	PA	SW	Crude Petroleum and Natural Gas Extraction	06/07/2012, 12/14/2012	03/14/2027, 03/14/2027
Aqua-ETC Water Solutions, LLC / West Branch Susquehanna River	Piatt Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2012	3/14/2027
Arconic, Inc. / Arconic Lancaster Corp.	Manheim Township	PA	CU	Aluminum Sheet, Plate, and Foil Manufacturing	10/10/2002, 06/08/2005	10/10/2027, 10/10/2027
ARD Operating, LLC / Alden Evans Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	5/29/2023
ARD Operating, LLC / Ann C Good Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	8/10/2023
ARD Operating, LLC / Ann C Good Pad B	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	11/16/2022
ARD Operating, LLC / Ann M. Mercier Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/21/2020
ARD Operating, LLC / Bonnel Run H&F Pad D	Pine Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / Brian K Frymire Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/10/2020
ARD Operating, LLC / Brooks Family Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2015	8/26/2020
ARD Operating, LLC / C.O.P. Tract 231 (1000)	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2019	4/11/2024
ARD Operating, LLC / C.O.P. Tract 285 (1000)	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2019	6/17/2024
ARD Operating, LLC / C.O.P. TRACT 343 PAD C	Noyes Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/7/2020	2/7/2025

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ARD Operating, LLC / Chapman Bohlin Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/14/2020	9/14/2025
ARD Operating, LLC / Charles J McNamee Pad B	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/3/2022
ARD Operating, LLC / Clearview HC Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/22/2022
ARD Operating, LLC / COP 252 Pad B	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / COP 259 Pad A	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / COP 259 Pad B	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / COP 551 Pad B	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/14/2020	9/14/2025
ARD Operating, LLC / COP Tr 027C Pad A	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / COP Tr 027C Pad B	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / COP Tr 231 C	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
ARD Operating, LLC / COP Tr 231 D	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
ARD Operating, LLC / COP Tr 252 #1000H	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2019	6/17/2024
ARD Operating, LLC / COP Tr 285 Pad C	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/13/2015	7/19/2021
ARD Operating, LLC / COP Tr 285 Pad D	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/2/2020
ARD Operating, LLC / COP Tr 285 Pad E	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/21/2022
ARD Operating, LLC / COP Tr 285 Pad F	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/3/2022
ARD Operating, LLC / COP Tr 285 Pad G	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2020	9/21/2025
ARD Operating, LLC / COP Tr 285 Pad H	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/3/2021
ARD Operating, LLC / COP Tr 289 C	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2020	8/19/2025
ARD Operating, LLC / COP Tr 289 Pad D	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/13/2015	8/6/2021
ARD Operating, LLC / COP Tr 289 Pad E	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	9/10/2021

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ARD Operating, LLC / COP Tr 290 Pad A	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	9/10/2021
ARD Operating, LLC / COP Tr 290 Pad B	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/13/2015	8/6/2020
ARD Operating, LLC / COP Tr 342 A	Beech Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/7/2020	9/7/2025
ARD Operating, LLC / COP Tr 344 Pad A	Noyes Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2020	9/3/2025
ARD Operating, LLC / COP Tr 356 Pad A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/21/2022
ARD Operating, LLC / COP Tr 356 Pad D	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/16/2022
ARD Operating, LLC / COP Tr 356 Pad F	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/29/2021
ARD Operating, LLC / COP Tr 356 Pad H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/3/2020
ARD Operating, LLC / COP Tr 356 Pad I	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/28/2022
ARD Operating, LLC / COP Tr 357 Pad A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/21/2021
ARD Operating, LLC / COP Tr 357 Pad B	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	7/21/2021
ARD Operating, LLC / COP Tr 551 A	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2019	9/25/2024
ARD Operating, LLC / COP Tr 678 #1000H	Noyes Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2020	1/28/2025
ARD Operating, LLC / COP Tr 678 #1001H & #1002H	Noyes Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2020	1/28/2025
ARD Operating, LLC / COP Tr 685 A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
ARD Operating, LLC / COP Tr 685 Pad C	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	9/3/2020
ARD Operating, LLC / COP Tr 728 C	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	4/5/2021
ARD Operating, LLC / COP Tr 728 D	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	4/4/2021
ARD Operating, LLC / COP Tr 728 Pad A	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2020	8/18/2025
ARD Operating, LLC / COP Tr 731 Pad A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	9/13/2022
ARD Operating, LLC / COP Tract 027B Pad A	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2016	7/14/2021

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ARD Operating, LLC / COP Tract 284 Pad A	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
ARD Operating, LLC / COP Tract 285 (1001H, 1002H)	Grugan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2019	6/17/2024
ARD Operating, LLC / COP Tract 289 Pad A	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
ARD Operating, LLC / COP Tract 289 Pad B	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/2/2019	8/2/2024
ARD Operating, LLC / COP Tract 356 Pad E	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2016	12/20/2021
ARD Operating, LLC / COP Tract 356 Pad G	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2016	8/10/2021
ARD Operating, LLC / COP Tract 653 Pad A	Beech Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
ARD Operating, LLC / COP Tract 653 Pad B	Beech Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
ARD Operating, LLC / COP Tract 653 Pad C	Beech Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
ARD Operating, LLC / COP Tract 685 Pad B	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2021
ARD Operating, LLC / COP Tract 728 Pad B	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	6/30/2021
ARD Operating, LLC / COP Tract 728 Pad G	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/28/2016	5/13/2021
ARD Operating, LLC / COP Tract 728 Pad H	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/28/2016	5/13/2021
ARD Operating, LLC / COP Tract 731 Pad C	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/20/2021
ARD Operating, LLC / COP Tract 731 Pad D	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/20/2021
ARD Operating, LLC / COP Tract 731 Pad E	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2021
ARD Operating, LLC / Cynthia M Knispel Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	3/24/2021
ARD Operating, LLC / David C Duncan Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2020	8/18/2025
ARD Operating, LLC / David C Duncan Pad B	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
ARD Operating, LLC / David O Vollman Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	11/24/2021
ARD Operating, LLC / Don J Davis Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	8/6/2022

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ARD Operating, LLC / Elbow F&G Pad B	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/19/2017	6/18/2022
ARD Operating, LLC / Elbow F&G Pad D	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	9/24/2023
ARD Operating, LLC / Elbow Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/10/2021
ARD Operating, LLC / Elbow Pad C	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/3/2022
ARD Operating, LLC / Eugene P Nelson Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	3/23/2021
ARD Operating, LLC / Frank L Hartley Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	8/23/2022
ARD Operating, LLC / Gayla D Loch Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	9/20/2020
ARD Operating, LLC / George E Hagemeyer Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	8/11/2022
ARD Operating, LLC / H Lyle Landon Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	6/24/2021
ARD Operating, LLC / Harry W Stryker Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	11/16/2020
ARD Operating, LLC / Jack L Hipple Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	8/3/2022
ARD Operating, LLC / Kenmar HC Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	9/27/2023
ARD Operating, LLC / Kenneth L Martin Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	8/10/2022
ARD Operating, LLC / Kenneth T Schriener Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	9/30/2020
ARD Operating, LLC / Kurt Haufler Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/27/2018	12/27/2023
ARD Operating, LLC / Larrys Creek F&G Pad A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
ARD Operating, LLC / Larrys Creek F&G Pad B	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
ARD Operating, LLC / Larrys Creek F&G Pad C	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	5/20/2021
ARD Operating, LLC / Larry's Creek F&G Pad D	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2020	8/28/2025
ARD Operating, LLC / Larrys Creek F&G Pad E	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2016	12/20/2021
ARD Operating, LLC / Larry's Creek F&G Pad F	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	11/16/2022

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ARD Operating, LLC / Larry's Creek F&G Pad G	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	8/14/2023
ARD Operating, LLC / Larrys Creek F&G Pad H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	6/24/2021
ARD Operating, LLC / Little Fawn Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
ARD Operating, LLC / Lycoming Creek - Huff	Lewis Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/13/2020	3/31/2025
ARD Operating, LLC / Lycoming H&FC Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2021
ARD Operating, LLC / Lycoming H&FC Pad B	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/13/2014	9/27/2021
ARD Operating, LLC / Lycoming H&FC Pad C	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/6/2021
ARD Operating, LLC / Lycoming H&FC Pad D	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2021
ARD Operating, LLC / Lycoming H&FC Pad E	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	5/20/2021
ARD Operating, LLC / Lycoming H&FC Pad F	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/26/2018	10/26/2023
ARD Operating, LLC / Mac Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2015	8/26/2021
ARD Operating, LLC / MAC Pad B	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	5/29/2023
ARD Operating, LLC / Marilyn Ely Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/20/2019	9/20/2024
ARD Operating, LLC / Michael R Fulkerson Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	8/16/2021
ARD Operating, LLC / Mountain Meadow Lodge Pad A	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2017	9/28/2022
ARD Operating, LLC / Mountain Meadow Lodge Pad B	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2017	9/28/2023
ARD Operating, LLC / Nevin L Smith Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	8/16/2020
ARD Operating, LLC / Pine Creek - 2	McHenry Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/30/2023
ARD Operating, LLC / Pine Creek - Jersey Mills	McHenry Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/30/2024
ARD Operating, LLC / Pine Creek (PC1N)	Watson Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/31/2023
ARD Operating, LLC / Plants Evergreen Farm Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	9/3/2022

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ARD Operating, LLC / Red Fox H&FC Pad B	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	8/10/2022
ARD Operating, LLC / Robert C Ulmer Pad A	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	08/13/2015, 09/14/2020	07/16/2020, 09/14/2025
ARD Operating, LLC / Salt Run HC Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	8/10/2023
ARD Operating, LLC / Salt Run HC Pad B	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
ARD Operating, LLC / Terry D. Litzelman Pad A	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	11/16/2023
ARD Operating, LLC / Texas Blockhouse F&G B	Pine Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
ARD Operating, LLC / Thomas E Smith Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	8/11/2022
ARD Operating, LLC / Tx Gulf B #1H	Beech Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2020	1/28/2025
ARD Operating, LLC / Wallis Run HC Pad A	Cascade Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	8/12/2022
ARD Operating, LLC / West Branch Susquehanna River - 3	Nippenose Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/9/2017	3/31/2022
ARD Operating, LLC / West Branch Susquehanna River - Linden	Piatt Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/7/2012	6/6/2027
ARD Operating, LLC / WW Litke #1H	Curtin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/19/2020	2/19/2025
Arendtsville Municipal Authority / Arendtsville Municipal Authority	Menallen Township	PA	GW	Water Supply and Irrigation Systems	3/15/2006	3/15/2031
Armstrong World Industries, Inc. / Armstrong World Industries, Inc.–Marietta Ceiling Plant	Marietta Borough	PA	GW,CU	Nonupholstered Wood Household Furniture Manufacturing	3/10/2004	3/10/2029
Artesian Resources / Artesian Water Company, Inc.	Little Britain Township	PA	SW,CU	Water Supply and Irrigation Systems	11/26/1996	12/31/2021
Artesian Water Maryland, Inc. / Port Deposit Plant	Port Deposit Township	MD	SW	Water Supply and Irrigation Systems	3/13/2008	3/13/2023
Arundel Company, LLC (The) / Vulcan Construction Materials, LLC-Havre de Grace Quarry	Havre de Grace District	MD	CU	Construction Sand and Gravel Mining	01/23/1992, 02/10/2000	01/23/2022, 01/23/2022
Ashland Area Municipal Water Authority / Ashland Area Municipal Water Authority	Butler Township	PA	SW,GW	Water Supply and Irrigation Systems	07/08/1993, 11/23/1993	07/14/2018, 11/23/2023
Avoca, Village of / Avoca, Village of	Avoca Village	NY	GW	Water Supply and Irrigation Systems	03/12/1998, 05/13/1999	03/12/2023, 05/13/2024
Bainbridge, Village of / Bainbridge, Village of	Bainbridge Town	NY	GW	Water Supply and Irrigation Systems	6/12/2002	6/12/2027
Barton, Town of	Waverly Village	NY	GW	Water Supply and Irrigation Systems	4/10/2003	4/10/2028

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Bath Electric, Gas & Water Systems / Bath Electric, Gas & Water Systems	Bath Town	NY	GW	Water Supply and Irrigation Systems	1/15/1998	1/15/2023
Beavertown Municipal Authority / Beavertown Municipal Authority	Beaver Township	PA	GW	Water Supply and Irrigation Systems	9/16/1993	9/16/2023
Bedford Borough Water Authority / Bedford Borough Water Authority	Bedford Township	PA	NULL	Water Supply and Irrigation Systems	3/6/2001	3/6/2026
Bedford Resort Partners / Shobers Run Golf Company, LLC	Bedford Township	PA	CU,SW,GW	Golf Courses and Country Clubs	10/10/2002, 06/14/2006, 06/12/2020, 06/14/2006	10/10/2027, 10/10/2027, 10/10/2027, 06/14/2031
Bedford Township Municipal Authority / Bedford Township Municipal Authority	Bedford Township	PA	SW,GW	Water Supply and Irrigation Systems	09/16/1993, 05/13/1999, 09/12/2007, 09/13/2006, 09/13/2006	09/30/2016, 05/13/2024, 05/13/2024, 09/12/2031, 09/13/2031
Beech Creek Borough Authority / Beech Creek Borough Authority	Beech Creek Borough	PA	GW	Water Supply and Irrigation Systems	12/8/2017	12/31/2032
Beech Resources, LLC / Douglas C. Kinley Pad A	Lycoming Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2019	3/7/2024
Beech Resources, LLC / Premier Well Site	Lycoming Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/6/2019	5/6/2024
Bell & Evans Realty, LLC / Esther's Project	Bethel Township	PA	CU	Poultry Processing	1/5/2016	1/5/2031
Bellefonte, Borough of / Bellefonte, Borough of	Bellefonte Borough	PA	SW	Water Supply and Irrigation Systems	9/8/1988	9/27/2038
Bellmeade Civic Association / Bellmeade Civic Association - Pinecroft	Logan Township	PA	NULL	Water Supply and Irrigation Systems	8/3/2009	8/3/2034
Bellwood Borough Authority / Bellwood Borough Authority	Antis Township	PA	NULL	Water Supply and Irrigation Systems	8/23/2018	4/29/2033
Bent Creek Country Club / Bent Creek Country Club	East Hempfield Township	PA	GW,CU	Golf Courses and Country Clubs	07/09/1992, 09/09/1999, 06/08/2000, 04/30/2020	07/09/2022, 07/09/2022, 07/09/2022, 07/09/2022
Berlin, Borough of (The Municipal Authority of the) / Berlin, Borough of (The Municipal Authority of the)	Allegheny Township	PA	GW,CU	Water Supply and Irrigation Systems	07/09/1998, 12/15/2011	07/09/2023, 07/09/2023
Berwick Enterprises, Inc. / Bridges Golf Club (The)	Berwick Township	PA	GW,CU	Golf Courses and Country Clubs	01/12/1995, 02/10/2000, 02/08/2001, 04/30/2020	01/12/2025, 01/12/2025, 01/12/2025, 01/12/2025
Berwick Golf Club / Berwick Golf Club	Briar Creek Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 05/29/2020	10/10/2027, 10/10/2027

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BIF III Holtwood LLC / Holtwood Hydroelectric Station	Martic Township	PA	NULL	Hydroelectric Power Generation	6/18/2009	8/31/2030
Big Flats, Town of / Big Flats, Town of	Big Flats Town	NY	GW	Water Supply and Irrigation Systems	03/14/1991, 05/11/1995, 06/16/2017	03/14/2021, 03/14/2021, 06/30/2032
Big Heart Pet Brands / Big Heart Pet Brands	South Centre Township	PA	GW,CU	Food Manufacturing	07/11/1991, 06/12/2003, 06/12/2003	07/11/2021, 07/11/2021, 06/12/2028
Biglerville Borough Authority	Butler Township	PA	GW	Water Supply and Irrigation Systems	5/13/1993	5/13/2023
Binghamton Country Club	Union Town	NY	CU	Golf Courses and Country Clubs	2/6/2003	2/6/2028
BKV Operating, LLC / Baker 2H	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2015	8/20/2020
BKV Operating, LLC / Baker North	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/23/2015	12/20/2020
BKV Operating, LLC / Baker West (Brothers)	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	3/28/2021
BKV Operating, LLC / Bonnice 2	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	11/10/2022
BKV Operating, LLC / Bush Pad	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2016	9/27/2021
BKV Operating, LLC / Cowfer - 1	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
BKV Operating, LLC / Cowfer B (CC-09) Pad	Gulich Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	7/6/2021
BKV Operating, LLC / East Branch Wyalusing Creek (Bonnice)	Jessup Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/30/2023
BKV Operating, LLC / Erickson Family Trust Pad	Woodward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	7/6/2023
BKV Operating, LLC / Frystak Central Pad	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2016	8/8/2023
BKV Operating, LLC / Giangrieco Pad	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	7/6/2021
BKV Operating, LLC / Hegarty (CC-04) Pad	Beccaria Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	7/6/2023
BKV Operating, LLC / Henninger Pad	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/5/2016	10/24/2021
BKV Operating, LLC / Johnston 1 Pad	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/26/2016	6/13/2021
BKV Operating, LLC / Karthaus CK-19	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2016	12/9/2021

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BKV Operating, LLC / Kile	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	3/22/2021
BKV Operating, LLC / Macialek 1 Pad	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	1/6/2024
BKV Operating, LLC / Mattocks 1	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	10/6/2023
BKV Operating, LLC / Mazzara	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	3/22/2023
BKV Operating, LLC / McConnell 1	Tunkhannock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	10/6/2021
BKV Operating, LLC / Meshoppen Creek	Washington Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/30/2024
BKV Operating, LLC / Mirabelli Pad 1-1H	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/12/2015	8/20/2022
BKV Operating, LLC / P&G Warehouse 1-1H	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/12/2015	8/26/2022
BKV Operating, LLC / Plushanski Well Pad	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	6/7/2023
BKV Operating, LLC / Procter & Gamble Mehoopany Plant 2 1H	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2020	1/22/2025
BKV Operating, LLC / Procter & Gamble Mehoopany Plant 3V	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/5/2020	3/5/2025
BKV Operating, LLC / Procter & Gamble Mehoopany Plant 4V	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	03/05/2020, 04/12/2010	3/5/2025
BKV Operating, LLC / Procter & Gamble Mehoopany Plant 5V	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/5/2020	3/5/2025
BKV Operating, LLC / Procter and Gamble Mehoopany Plant 1V	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	01/22/2020, 10/14/2009	1/22/2025
BKV Operating, LLC / Reimiller 1	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	10/6/2023
BKV Operating, LLC / Ricci Well Pad	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/26/2017	8/28/2022
BKV Operating, LLC / River Hill Power Karthaus Pad	Karthaus Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	7/6/2021
BKV Operating, LLC / Ruark East 1 1H	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/12/2015	8/1/2022
BKV Operating, LLC / Shaskas South	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	11/10/2020
BKV Operating, LLC / Sickler 5H	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/6/2020	8/6/2025
BKV Operating, LLC / Solanick 5H	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2015	7/6/2022

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BKV Operating, LLC / Susquehanna River	Washington Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/13/2024
BKV Operating, LLC / Trecoske North Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/16/2016	1/25/2022
BKV Operating, LLC / Trecoske South Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/16/2016	1/25/2024
BKV Operating, LLC / UNT to Middle Branch Wyalusing Creek	Forest Lake Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/30/2024
BKV Operating, LLC / Yarasavage Well Pad	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	2/17/2021
Blackhawk Energy LLC / Shannon Todd Pad A	Todd Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2020	9/3/2025
Blair Township Water and Sewer Authority / Blair Township Water and Sewer Authority	Blair Township	PA	NULL	Water Supply and Irrigation Systems	5/4/2007	5/4/2032
Bloomfield Borough Water Authority / Bloomfield Borough Water Authority	Centre Township	PA	GW	Water Supply and Irrigation Systems	11/08/1990, 10/11/2001, 09/08/2016, 12/06/2018, 09/18/2020	11/08/2020, 10/11/2026, 09/07/2031, 12/05/2033, 09/30/2035
Bloomsburg University	Bloomsburg Borough	PA	CU	Colleges, Universities, and Professional Schools	4/11/2002	4/11/2027
Blossburg Municipal Authority / Blossburg Municipal Authority	Hamilton Township	PA	GW	Water Supply and Irrigation Systems	1/12/1989	1/12/2019
Blue Ridge Trail Golf Club, Inc. / Blue Ridge Trail Golf Club, Inc.	Dorrance Township	PA	CU,GW	Golf Courses and Country Clubs	04/11/2002, 06/08/2005, 04/30/2020, 12/05/2006	04/11/2027, 04/11/2027, 04/11/2027, 04/11/2027
Bon-Air Country Club / Bon-Air Country Club	Shrewsbury Township	PA	GW,CU	Golf Courses and Country Clubs	04/10/2003, 04/30/2020	04/10/2028, 04/10/2028
Borough of Hanover / Hanover Borough	Oxford Township	PA	SW	Water Supply and Irrigation Systems	9/13/1990	9/21/2015
Bottling Group, LLC / Bottling Group, LLC, d.b.a. The Pepsi Bottling Group – Harrisburg	Lower Paxton Township	PA	CU	Soft Drink Manufacturing	3/13/2008	3/13/2023
BRCC, LP dba The Clubs at Colonial Ridge / Blue Ridge Country Club	Lower Paxton Township	PA	CU	Golf Courses and Country Clubs	10/10/2002	10/10/2027
Briarwood Golf Club, Inc. / Briarwood Golf Club, Inc.	Jackson Township	PA	GW,CU	Golf Courses and Country Clubs	02/06/2003, 04/30/2020	02/06/2028, 02/06/2028
Brunner Island, LLC / Brunner Island Steam Electric Station	East Manchester Township	PA	SW,CU	Electric Power Generation	9/12/2007	9/12/2022
Brymac, Inc. dba Mountain View Country Club / Mountain View Country Club	Harris Township	PA	CU,SW,GW	Golf Courses and Country Clubs	10/10/2002, 04/30/2020, 06/15/2018, 07/15/2020	10/10/2027, 10/10/2027, 06/14/2033

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Bucknell University / Bucknell University	East Buffalo Township	PA	GW,CU	Colleges, Universities, and Professional Schools	12/05/2019, 05/29/2020	10/10/2027, 10/10/2027
Byler Golf Management, Inc. / Blue Mountain Golf Course	Bethel Township	PA	CU	Golf Courses and Country Clubs	8/15/2002	8/15/2027
Byler Golf Management, Inc. / Iron Valley Golf Club	Cornwall Borough	PA	GW,CU	Golf Courses and Country Clubs	12/03/1998, 08/10/2000, 12/04/2015, 04/30/2020, 09/18/2020	12/03/2023, 12/03/2023, 12/03/2023, 12/03/2023
Cabot Oil & Gas Corporation / AbbottD P2	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	12/11/2020
Cabot Oil & Gas Corporation / AbbottM P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/18/2019	3/18/2024
Cabot Oil & Gas Corporation / AckerC P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2018	11/13/2023
Cabot Oil & Gas Corporation / AdamsJ P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	7/28/2020
Cabot Oil & Gas Corporation / AldrichL P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/23/2017	10/3/2022
Cabot Oil & Gas Corporation / AndersonR P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2018	11/19/2023
Cabot Oil & Gas Corporation / ArnoneJ P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/17/2015	7/17/2020
Cabot Oil & Gas Corporation / Augustine P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	5/9/2021
Cabot Oil & Gas Corporation / AustinE P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2020	3/30/2025
Cabot Oil & Gas Corporation / Baker P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Cabot Oil & Gas Corporation / BennerJ P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2019	3/25/2024
Cabot Oil & Gas Corporation / BennettC P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/14/2023
Cabot Oil & Gas Corporation / BerryD P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2014	2/15/2022
Cabot Oil & Gas Corporation / BiniewiczS P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/9/2023
Cabot Oil & Gas Corporation / BishopB P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	5/29/2023
Cabot Oil & Gas Corporation / BistisM P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/17/2015	7/17/2020

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Cabot Oil & Gas Corporation / Black P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / BlaisureJe P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2020	5/20/2025
Cabot Oil & Gas Corporation / BlaisureJo P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2020	5/20/2025
Cabot Oil & Gas Corporation / BolcatoG P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	3/30/2022
Cabot Oil & Gas Corporation / BrayB P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/23/2017	10/3/2022
Cabot Oil & Gas Corporation / BrooksJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
Cabot Oil & Gas Corporation / BrooksW P2	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/22/2019	8/22/2024
Cabot Oil & Gas Corporation / Bunnelle P2	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/9/2017	5/4/2022
Cabot Oil & Gas Corporation / BrooksW P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Cabot Oil & Gas Corporation / Bunnelle P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/9/2017	5/4/2022
Cabot Oil & Gas Corporation / BurkeG P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/15/2023
Cabot Oil & Gas Corporation / BurtsL P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2022
Cabot Oil & Gas Corporation / BusikJ P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/23/2017	6/11/2022
Cabot Oil & Gas Corporation / ButlerL P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2019	11/12/2024
Cabot Oil & Gas Corporation / CareyR P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/12/2016	12/14/2023
Cabot Oil & Gas Corporation / CarlsonW P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2014	1/10/2022
Cabot Oil & Gas Corporation / CarpenettiR P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/22/2018	3/29/2023
Cabot Oil & Gas Corporation / CarsonJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
Cabot Oil & Gas Corporation / CastrogiovanniA P3	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/22/2018	3/29/2023
Cabot Oil & Gas Corporation / ChambersO P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Cabot Oil & Gas Corporation / ChudleighW P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024

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Cabot Oil & Gas Corporation / ChudleighW P2	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2014	1/9/2022
Cabot Oil & Gas Corporation / ColwellA P1	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2020	1/22/2025
Cabot Oil & Gas Corporation / CorbinJ P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/28/2016	8/30/2023
Cabot Oil & Gas Corporation / CosnerW P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	9/10/2020
Cabot Oil & Gas Corporation / Costello P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / Costello P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / CraneJ P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/16/2019	7/16/2024
Cabot Oil & Gas Corporation / Daniels Pad	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	10/12/2020
Cabot Oil & Gas Corporation / DavisG P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	7/28/2020
Cabot Oil & Gas Corporation / DeckerT P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/13/2015	4/13/2022
Cabot Oil & Gas Corporation / DeluciaR P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2017	11/9/2022
Cabot Oil & Gas Corporation / Depaola P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Cabot Oil & Gas Corporation / DerianchoF P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	11/22/2020
Cabot Oil & Gas Corporation / Diaz Family P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
Cabot Oil & Gas Corporation / DiazM P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	5/29/2023
Cabot Oil & Gas Corporation / DiazM P2	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
Cabot Oil & Gas Corporation / Dobrosielski P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/28/2016	7/26/2022
Cabot Oil & Gas Corporation / DysonW P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2020	1/29/2025
Cabot Oil & Gas Corporation / Elk Lake School District P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
Cabot Oil & Gas Corporation / EllsworthA P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/22/2016	10/20/2022
Cabot Oil & Gas Corporation / Ely P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2019	11/12/2024

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Cabot Oil & Gas Corporation / Ely P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / Ely P3	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / EmpetD P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2017	11/20/2022
Cabot Oil & Gas Corporation / FergusonA P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/8/2015	6/8/2022
Cabot Oil & Gas Corporation / FlowerT P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/18/2017	7/18/2022
Cabot Oil & Gas Corporation / FoltzJ P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2018	11/9/2023
Cabot Oil & Gas Corporation / FoltzJ P2	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/14/2017	2/14/2022
Cabot Oil & Gas Corporation / FontanaC P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2020	1/29/2025
Cabot Oil & Gas Corporation / ForwoodE P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/8/2015	6/8/2022
Cabot Oil & Gas Corporation / FraserE P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2015	9/10/2020
Cabot Oil & Gas Corporation / Friedland Farms P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Cabot Oil & Gas Corporation / FrystakC P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2021
Cabot Oil & Gas Corporation / Gesford P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Cabot Oil & Gas Corporation / Gesford P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Cabot Oil & Gas Corporation / Gesford P4	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Cabot Oil & Gas Corporation / GillinghamR P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	5/31/2023
Cabot Oil & Gas Corporation / GrasavageE P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2019	5/29/2024
Cabot Oil & Gas Corporation / Greenwood P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Cabot Oil & Gas Corporation / GreenwoodR P2	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2016	5/13/2021
Cabot Oil & Gas Corporation / GrimsleyJ P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2020	1/20/2025
Cabot Oil & Gas Corporation / GrooverS P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2014	12/8/2021

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Cabot Oil & Gas Corporation / GrosvenorD P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	3/18/2022
Cabot Oil & Gas Corporation / HallidayA P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	3/30/2022
Cabot Oil & Gas Corporation / Hatchery Wellfield (Wells 1, 2, and 3)	Eaton Township	PA	GW	Crude Petroleum and Natural Gas Extraction	06/16/2016, 09/18/2020	06/30/2020, 09/30/2025
Cabot Oil & Gas Corporation / HauserJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/15/2023
Cabot Oil & Gas Corporation / HawkJ P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2019	5/29/2024
Cabot Oil & Gas Corporation / HawleyJ P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	3/11/2021
Cabot Oil & Gas Corporation / HawleyW P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2014	5/15/2022
Cabot Oil & Gas Corporation / HaynesW P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/1/2017	6/1/2023
Cabot Oil & Gas Corporation / Heitsman P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/24/2019	10/24/2024
Cabot Oil & Gas Corporation / Heitsman P1A	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Cabot Oil & Gas Corporation / HeitsmanA P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/24/2019	10/24/2024
Cabot Oil & Gas Corporation / HeitzenroderA P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	9/26/2023
Cabot Oil & Gas Corporation / HessR P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/22/2016	11/30/2021
Cabot Oil & Gas Corporation / HibbardAM P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/2/2014	12/21/2021
Cabot Oil & Gas Corporation / HibbardAM P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/1/2014	12/21/2021
Cabot Oil & Gas Corporation / HinkleyR P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	3/12/2022
Cabot Oil & Gas Corporation / Hoover P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Cabot Oil & Gas Corporation / HordisC P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	11/30/2022
Cabot Oil & Gas Corporation / HouselR P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	5/29/2023
Cabot Oil & Gas Corporation / HousenickJ P1	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2020	6/24/2025
Cabot Oil & Gas Corporation / HowellG P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	12/11/2020

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Cabot Oil & Gas Corporation / Hubbard P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/24/2019	10/24/2024
Cabot Oil & Gas Corporation / HullR P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Cabot Oil & Gas Corporation / HullR P2	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/16/2020	9/16/2025
Cabot Oil & Gas Corporation / HunsingerA P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
Cabot Oil & Gas Corporation / HunsingerA P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
Cabot Oil & Gas Corporation / HustonJ P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	5/29/2023
Cabot Oil & Gas Corporation / Jeffers Farm P5	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	12/11/2020
Cabot Oil & Gas Corporation / Jeffers Farms P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	12/6/2023
Cabot Oil & Gas Corporation / Jeffers Farms P2	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/14/2017	2/14/2024
Cabot Oil & Gas Corporation / JHHC P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/16/2015	11/16/2020
Cabot Oil & Gas Corporation / JonesP P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	12/11/2020
Cabot Oil & Gas Corporation / KeevesJ P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/12/2023
Cabot Oil & Gas Corporation / KelleyP P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2020	5/20/2025
Cabot Oil & Gas Corporation / KielarD P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/12/2016	12/6/2022
Cabot Oil & Gas Corporation / KingD P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	9/3/2020
Cabot Oil & Gas Corporation / KrisuleviczV P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	2/23/2021
Cabot Oil & Gas Corporation / KropaT P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	1/30/2023
Cabot Oil & Gas Corporation / LambertR P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/17/2015	7/17/2020
Cabot Oil & Gas Corporation / LaRueC P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/15/2020	1/15/2025
Cabot Oil & Gas Corporation / LaRueC P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Cabot Oil & Gas Corporation / Lathrop P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/24/2019	10/24/2024

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Cabot Oil & Gas Corporation / Lauffer P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	6/2/2022
Cabot Oil & Gas Corporation / LernerG P1	Ararat Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2020	8/27/2024
Cabot Oil & Gas Corporation / Lewis P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / Lewis P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / LippincottF P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/22/2016	10/20/2021
Cabot Oil & Gas Corporation / LoffredoJ P1	Nicholson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	11/30/2022
Cabot Oil & Gas Corporation / LopatofskyJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2016	5/23/2021
Cabot Oil & Gas Corporation / LymanJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	4/15/2021
Cabot Oil & Gas Corporation / MacDowallR P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	1/4/2023
Cabot Oil & Gas Corporation / MackeyR P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2017	3/14/2023
Cabot Oil & Gas Corporation / Maiolini P3	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	8/16/2020
Cabot Oil & Gas Corporation / MakoskyT P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2014	2/25/2024
Cabot Oil & Gas Corporation / ManzerA P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2017	3/14/2022
Cabot Oil & Gas Corporation / MarchoW&M P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/16/2023
Cabot Oil & Gas Corporation / McLeanD P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	11/20/2022
Cabot Oil & Gas Corporation / MeadB P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/20/2023
Cabot Oil & Gas Corporation / Meshoppen Creek	Lemon Township	PA	SW	Crude Petroleum and Natural Gas Extraction	03/09/2017, 12/08/2017	03/31/2022, 03/31/2022
Cabot Oil & Gas Corporation / Meshoppen Creek (Brooks Property)	Springville Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/30/2022
Cabot Oil & Gas Corporation / MillardK P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/25/2019	2/25/2024
Cabot Oil & Gas Corporation / Mogridge P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/28/2016	8/1/2021
Cabot Oil & Gas Corporation / MolnarM P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/22/2018	3/15/2023

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Cabot Oil & Gas Corporation / MooreS P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/13/2018	4/13/2023
Cabot Oil & Gas Corporation / MyersR P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2015	11/6/2020
Cabot Oil & Gas Corporation / OakleyJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	6/2/2022
Cabot Oil & Gas Corporation / PavelskiJ Pad 1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2018	10/19/2023
Cabot Oil & Gas Corporation / PayneD P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	8/20/2023
Cabot Oil & Gas Corporation / PennayG P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/18/2017	9/18/2022
Cabot Oil & Gas Corporation / PetersenH P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2017	5/4/2024
Cabot Oil & Gas Corporation / PettyJ P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2014	5/27/2022
Cabot Oil & Gas Corporation / PijanowskiJ P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Cabot Oil & Gas Corporation / PlonskiI P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Cabot Oil & Gas Corporation / PlonskiJ P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	8/3/2020
Cabot Oil & Gas Corporation / Post P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	6/2/2022
Cabot Oil & Gas Corporation / PowersM P1	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/26/2018	11/26/2023
Cabot Oil & Gas Corporation / PowersN P2	Middletown Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
Cabot Oil & Gas Corporation / PowersN P1	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/13/2015	1/13/2022
Cabot Oil & Gas Corporation / Precision Capital LP P1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/18/2017	9/18/2022
Cabot Oil & Gas Corporation / PritchardD P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/22/2018	4/5/2023
Cabot Oil & Gas Corporation / Rag Apple LLC P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/18/2017	7/18/2022
Cabot Oil & Gas Corporation / Ratzel P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/25/2019	10/25/2024
Cabot Oil & Gas Corporation / Rayias P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2014	4/19/2022
Cabot Oil & Gas Corporation / ReillyJ P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/18/2017	7/18/2022

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Cabot Oil & Gas Corporation / ReynenJ P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Cabot Oil & Gas Corporation / ReynoldsR P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/21/2018	6/19/2023
Cabot Oil & Gas Corporation / RomeikaJ P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	11/13/2020
Cabot Oil & Gas Corporation / RoseC P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2014	4/6/2022
Cabot Oil & Gas Corporation / Rozanski P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/25/2019	10/25/2024
Cabot Oil & Gas Corporation / RozellC P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/16/2020	9/16/2025
Cabot Oil & Gas Corporation / RussoB P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/30/2014	2/26/2022
Cabot Oil & Gas Corporation / RussoB P2	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	3/15/2022
Cabot Oil & Gas Corporation / RutkowskiB P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/23/2017	10/3/2022
Cabot Oil & Gas Corporation / SalanskyT P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2017	8/28/2022
Cabot Oil & Gas Corporation / SevercoolB P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/25/2019	10/25/2024
Cabot Oil & Gas Corporation / ShieldsG P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Cabot Oil & Gas Corporation / ShieldsG P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/1/2014	10/22/2021
Cabot Oil & Gas Corporation / SlocumS P1	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2019	5/29/2024
Cabot Oil & Gas Corporation / Smith P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/25/2019	10/25/2024
Cabot Oil & Gas Corporation / Smith P3	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/28/2019	10/28/2024
Cabot Oil & Gas Corporation / SmithR P2	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/15/2020	1/15/2025
Cabot Oil & Gas Corporation / SquierR P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/24/2019	1/24/2024
Cabot Oil & Gas Corporation / StalterD P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	11/12/2020
Cabot Oil & Gas Corporation / StarzecE P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/21/2018	6/19/2023
Cabot Oil & Gas Corporation / StellitanoA P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/17/2014	12/17/2021

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Cabot Oil & Gas Corporation / StockholmK P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	6/18/2022
Cabot Oil & Gas Corporation / StockholmK P2	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	8/19/2020
Cabot Oil & Gas Corporation / StockholmK P3	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	6/2/2022
Cabot Oil & Gas Corporation / StoddardT P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/24/2018	9/24/2023
Cabot Oil & Gas Corporation / StraussE P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
Cabot Oil & Gas Corporation / Susquehanna River - 2 (Susquehanna Depot Boro.)	Susquehanna Depot Borough	PA	SW	Crude Petroleum and Natural Gas Extraction	12/8/2016	12/31/2020
Cabot Oil & Gas Corporation / Susquehanna River - 3 (Great Bend Twp.)	Great Bend Township	PA	SW	Crude Petroleum and Natural Gas Extraction	09/08/2016, 09/18/2020	09/30/2020, 09/30/2025
Cabot Oil & Gas Corporation / TeddickM P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2017	3/14/2024
Cabot Oil & Gas Corporation / TeddickM P3	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	12/7/2022
Cabot Oil & Gas Corporation / Teel P1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2019	11/12/2024
Cabot Oil & Gas Corporation / Teel P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2015	8/26/2020
Cabot Oil & Gas Corporation / Teel P3	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / Teel P4	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
Cabot Oil & Gas Corporation / Teel P5	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2019	11/12/2024
Cabot Oil & Gas Corporation / Teel P6	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2019	11/12/2024
Cabot Oil & Gas Corporation / Teel P7	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/15/2020	1/15/2025
Cabot Oil & Gas Corporation / ThomasR P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2018	5/13/2023
Cabot Oil & Gas Corporation / TsourousA P1	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	3/29/2023
Cabot Oil & Gas Corporation / Tunkhannock Creek (Marcy Site)	Lenox Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/5/2019	12/31/2024
Cabot Oil & Gas Corporation / Tunkhannock Creek (Mulqueen Site)	Nicholson Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/30/2023
Cabot Oil & Gas Corporation / VandermarkR P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2016	7/12/2023

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Cabot Oil & Gas Corporation / WaldenbergerP P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/23/2017	6/11/2023
Cabot Oil & Gas Corporation / WarnerA P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	3/17/2022
Cabot Oil & Gas Corporation / WarrinerR P2	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
Cabot Oil & Gas Corporation / WarrinerR P4	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/17/2020
Cabot Oil & Gas Corporation / WarrinerR P5	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	5/13/2022
Cabot Oil & Gas Corporation / WarrinerS P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2015	5/15/2022
Cabot Oil & Gas Corporation / WeissM P1	Gibson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2019	12/31/2024
Cabot Oil & Gas Corporation / WellsP P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/22/2016	11/15/2022
Cabot Oil & Gas Corporation / WilliamsD P1	Brooklyn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/11/2016	10/25/2023
Cabot Oil & Gas Corporation / WoodE P1	Dimock Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2017	11/20/2022
Cabot Oil & Gas Corporation / WrightW P1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2014	12/11/2021
Cabot Oil & Gas Corporation / ZickJ P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	3/17/2021
Cabot Oil & Gas Corporation / ZickW P1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	12/12/2022
Cabot Oil & Gas Corporation / ZuppK P1	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	12/6/2021
Caernarvon Township Authority / Caernarvon Township Authority	Caernarvon Township	PA	GW	Water Supply and Irrigation Systems	09/27/1994, 03/21/2013, 09/10/2015	09/27/2024, 03/20/2028, 09/09/2030
Calpine Mid-Merit, LLC / York Energy Center	Peach Bottom Township	PA	SW, CU	Electric Power Generation	3/15/2006	3/15/2031
Campbell Oil & Gas, Inc. / Mid Penn Unit A Well Pad	Bigler Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/24/2018	4/2/2023
Campbell Oil & Gas, Inc. / Mid Penn Unit B Well Pad	Bigler Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2017	6/29/2022
CAN DO, Inc. / Corporate Center	Butler Township	PA	GW	Water, Sewage and Other Systems	3/12/2009	3/12/2024
CAN DO, Inc. / Humbolt Industrial Park	Hazle Township	PA	GW	Folding Paperboard Box Manufacturing	5/23/1996	5/23/2021
Canisteo, Village of / Canisteo, Village of	Canisteo Town	NY	GW	Water Supply and Irrigation Systems	9/14/1995	9/14/2020

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Cargill Cocoa & Chocolate, Inc. / Hazleton Plant	Hazle Township	PA	CU	Chocolate and Confectionery Manufacturing from Cacao Beans	3/24/2009	3/24/2024
Cargill Meat Solutions Corporation / Cargill Meat Solutions Corporation	Wyalusing Township	PA	GW,CU	Meat Processed from Carcasses	11/14/1991, 07/09/1992, 03/11/1999	11/14/2021, 07/09/2022, 03/11/2024
Carlisle Barracks Golf Course / Carlisle Barracks Golf Course	North Middleton Township	PA	GW,CU	Golf Courses and Country Clubs	11/04/1999, 04/12/2001	11/04/2024, 04/12/2026
Carlisle SynTec Incorporated / Carlisle Syntec Incorporated	Carlisle Borough	PA	CU	Asphalt Paving, Roofing, and Saturated Materials Manufacturing	2/21/2002	2/21/2027
Carmeuse Lime and Stone, Inc. / Carmeuse Lime, Inc.	North Londonderry Township	PA	CU	Crushed and Broken Limestone Mining and Quarrying	12/15/2004	12/15/2029
Carrolltown Borough Municipal Authority / Carrolltown Borough Municipal Authority	East Carroll Township	PA	GW	Water Supply and Irrigation Systems	09/10/1987, 02/08/2001	09/10/2017, 02/08/2026
Cascades Holding US Inc. / Cascades Tissue Group-Pennsylvania	Ransom Township	PA	SW,CU	Sanitary Paper Product Manufacturing	10/11/2001, 12/11/2003	10/11/2026, 10/11/2026
Cedar Rock Materials Corpotion / Bower Quarry	Salem Township	PA	GW,CU	Stone Mining and Quarrying	3/10/2011	3/9/2026
Central Builders Supply Company / Montandon Sand & Gravel Processing Plant	West Chillisquaque Township	PA	CU	Construction Sand and Gravel Mining	12/12/2002	12/12/2027
Central Builders Supply Company / Northumberland Sand & Gravel Processing Plant	Point Township	PA	CU	Construction Sand and Gravel Mining	12/12/2002	12/12/2027
Central Clinton County Water Filtration Authority / Central Clinton County Water Filtration Authority	Wayne Township	PA	NULL	Water Supply and Irrigation Systems	8/6/2013	6/25/2038
Centre Hall Borough / Centre Hall Borough	Potter Township	PA	GW	Water Supply and Irrigation Systems	12/15/2004	12/15/2029
Centre Hills Country Club / Centre Hills Country Club	College Township	PA	CU,GW	Golf Courses and Country Clubs	08/14/2003, 06/13/2007	08/14/2028, 08/14/2028
Chapman Township Water Authority	Chapman Township	PA	SW	Water Supply and Irrigation Systems	9/29/2008	1/28/2023
Chemung Golf Course, Inc. / Chemung Golf Course, Inc.	Chemung Town	NY	CU	Golf Courses and Country Clubs	6/12/2003	6/12/2028
Chenango, Town of / Chenango, Town of	Chenango Town	NY	GW	Water Supply and Irrigation Systems	6/14/2019	6/30/2034
Chesapeake Appalachia, L.L.C. / Acla	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / Acton	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/16/2021
Chesapeake Appalachia, L.L.C. / ACW	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	7/5/2021
Chesapeake Appalachia, L.L.C. / Adams	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	8/24/2021

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Chesapeake Appalachia, L.L.C. / Aikens	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/10/2022
Chesapeake Appalachia, L.L.C. / Akita NEW	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Alberta	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2020	9/3/2025
Chesapeake Appalachia, L.L.C. / Albertson	Athens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/28/2016	8/30/2021
Chesapeake Appalachia, L.L.C. / Alderfer NEW	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Alexander	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/28/2016	8/19/2021
Chesapeake Appalachia, L.L.C. / Alkan	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	10/31/2023
Chesapeake Appalachia, L.L.C. / Allen	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Allford	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/30/2015	4/8/2022
Chesapeake Appalachia, L.L.C. / Alton	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
Chesapeake Appalachia, L.L.C. / Alvarez	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/7/2017	1/25/2024
Chesapeake Appalachia, L.L.C. / Amburke	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2020	5/20/2025
Chesapeake Appalachia, L.L.C. / Amcor	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2017	11/30/2023
Chesapeake Appalachia, L.L.C. / Ammerman	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	8/13/2022
Chesapeake Appalachia, L.L.C. / Angie	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/21/2020	5/21/2025
Chesapeake Appalachia, L.L.C. / Atgas	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	8/10/2022
Chesapeake Appalachia, L.L.C. / Aukema	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/14/2021
Chesapeake Appalachia, L.L.C. / Bacorn	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2019	8/15/2024
Chesapeake Appalachia, L.L.C. / Balduzzi	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/8/2022
Chesapeake Appalachia, L.L.C. / Balent NEW	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/23/2022
Chesapeake Appalachia, L.L.C. / Ballibay	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2020	5/29/2025

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Chesapeake Appalachia, L.L.C. / Baltzley	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	12/13/2020
Chesapeake Appalachia, L.L.C. / Barclay	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/28/2021
Chesapeake Appalachia, L.L.C. / Barnes	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	7/15/2022
Chesapeake Appalachia, L.L.C. / Bartholomew	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	11/14/2021
Chesapeake Appalachia, L.L.C. / Bartz	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Chesapeake Appalachia, L.L.C. / BDF	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2015	6/14/2022
Chesapeake Appalachia, L.L.C. / Beebe	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/13/2015	6/23/2022
Chesapeake Appalachia, L.L.C. / Beech Flats	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	1/14/2021
Chesapeake Appalachia, L.L.C. / Beeman	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	1/28/2021
Chesapeake Appalachia, L.L.C. / Bennett NMPY-38	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/4/2015	9/16/2022
Chesapeake Appalachia, L.L.C. / Benscoter	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2019	6/3/2024
Chesapeake Appalachia, L.L.C. / BIM	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/14/2018	11/14/2023
Chesapeake Appalachia, L.L.C. / BKT	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	8/10/2023
Chesapeake Appalachia, L.L.C. / Black Creek	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
Chesapeake Appalachia, L.L.C. / Blanche Poulsen	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/18/2020	5/18/2025
Chesapeake Appalachia, L.L.C. / Blannard	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/8/2022
Chesapeake Appalachia, L.L.C. / Blueberry Hill	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/27/2017	9/25/2023
Chesapeake Appalachia, L.L.C. / Bluegrass	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	7/27/2022
Chesapeake Appalachia, L.L.C. / Bo	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/20/2021
Chesapeake Appalachia, L.L.C. / Bodulus	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	11/23/2023
Chesapeake Appalachia, L.L.C. / Bonnie	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/4/2019	9/4/2024

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Chesapeake Appalachia, L.L.C. / Borek	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/6/2017	8/28/2023
Chesapeake Appalachia, L.L.C. / Boyanowski	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2015	9/20/2022
Chesapeake Appalachia, L.L.C. / Brackman	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
Chesapeake Appalachia, L.L.C. / Breezy	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	7/15/2022
Chesapeake Appalachia, L.L.C. / Brewer	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2018	6/17/2023
Chesapeake Appalachia, L.L.C. / Brink	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/28/2022
Chesapeake Appalachia, L.L.C. / Brown Homestead	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/23/2017	7/9/2023
Chesapeake Appalachia, L.L.C. / Burke	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/17/2021
Chesapeake Appalachia, L.L.C. / Burkhart	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	1/30/2024
Chesapeake Appalachia, L.L.C. / Burkmont Farms	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	12/2/2020
Chesapeake Appalachia, L.L.C. / Burleigh	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2020	9/21/2025
Chesapeake Appalachia, L.L.C. / Burns	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/12/2016	7/15/2021
Chesapeake Appalachia, L.L.C. / Bustin Homestead	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	1/26/2021
Chesapeake Appalachia, L.L.C. / Calmitch	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/28/2016	1/30/2024
Chesapeake Appalachia, L.L.C. / Cannella	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2015	6/11/2022
Chesapeake Appalachia, L.L.C. / Cappucci	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2014	3/5/2022
Chesapeake Appalachia, L.L.C. / Carr	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	9/25/2023
Chesapeake Appalachia, L.L.C. / CDJ	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/23/2017	7/24/2023
Chesapeake Appalachia, L.L.C. / Cerca	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Champdale	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/13/2015	4/29/2022
Chesapeake Appalachia, L.L.C. / Champluvier	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	7/27/2022

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Chesapeake Appalachia, L.L.C. / Chancellor	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Chemung River - Barrett	Athens Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/30/2022
Chesapeake Appalachia, L.L.C. / Cherrymills	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/23/2017	7/24/2023
Chesapeake Appalachia, L.L.C. / Circle H	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/7/2016	9/30/2021
Chesapeake Appalachia, L.L.C. / Circle Z BRA	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/5/2016	3/30/2024
Chesapeake Appalachia, L.L.C. / Clapper	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Clarke	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/23/2022
Chesapeake Appalachia, L.L.C. / Claude	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / Claudia	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/13/2019	8/13/2024
Chesapeake Appalachia, L.L.C. / Coates	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/12/2020	6/12/2025
Chesapeake Appalachia, L.L.C. / Colcam	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	8/12/2021
Chesapeake Appalachia, L.L.C. / Comstock	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/19/2020
Chesapeake Appalachia, L.L.C. / Connell	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2020	9/10/2025
Chesapeake Appalachia, L.L.C. / Cook	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2016	11/4/2023
Chesapeake Appalachia, L.L.C. / Corl	Colley Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	2/10/2021
Chesapeake Appalachia, L.L.C. / Coveytown	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2015	7/9/2022
Chesapeake Appalachia, L.L.C. / Covington	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/28/2020	7/28/2025
Chesapeake Appalachia, L.L.C. / Coyle	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	11/14/2023
Chesapeake Appalachia, L.L.C. / Coyote Run	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / Craige	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2015	10/7/2022
Chesapeake Appalachia, L.L.C. / Crain	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	4/26/2021

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Chesapeake Appalachia, L.L.C. / Cranrun	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/13/2015	6/22/2022
Chesapeake Appalachia, L.L.C. / Crawford	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/1/2022
Chesapeake Appalachia, L.L.C. / Crystal	North Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/2/2022
Chesapeake Appalachia, L.L.C. / CSI	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/23/2019	12/23/2024
Chesapeake Appalachia, L.L.C. / Curtain NEW	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2015	6/29/2022
Chesapeake Appalachia, L.L.C. / Curtis New	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2015	9/27/2022
Chesapeake Appalachia, L.L.C. / Cuthbertson	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	2/3/2021
Chesapeake Appalachia, L.L.C. / Dan Ellis	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/05/2014, 03/10/2010	2/11/2022
Chesapeake Appalachia, L.L.C. / Dave	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2020	8/18/2025
Chesapeake Appalachia, L.L.C. / Decker Farms	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2020	9/10/2025
Chesapeake Appalachia, L.L.C. / Deer Park	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/15/2019	7/15/2024
Chesapeake Appalachia, L.L.C. / Delhagen	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2015	9/15/2022
Chesapeake Appalachia, L.L.C. / Delima	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chesapeake Appalachia, L.L.C. / Deremer	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/1/2019	7/1/2024
Chesapeake Appalachia, L.L.C. / Dewees	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2015	7/20/2022
Chesapeake Appalachia, L.L.C. / Dewolf	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2016	8/11/2021
Chesapeake Appalachia, L.L.C. / DGSM	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	12/20/2020
Chesapeake Appalachia, L.L.C. / DJ	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/21/2021
Chesapeake Appalachia, L.L.C. / Donna	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/13/2022
Chesapeake Appalachia, L.L.C. / Donovan	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	10/24/2021
Chesapeake Appalachia, L.L.C. / Doss	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/23/2019	12/23/2024

Facility Name	Municipality	State	Approval Type Approval by Rule (ABR) Consumptive Use (CU) Diversion (DIV) Groundwater (GW) Surface Water (SW)	NAICS Title	Approval Date(s)	Expiration Date(s)
Chesapeake Appalachia, L.L.C. / DPH	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	3/14/2021
Chesapeake Appalachia, L.L.C. / Drake	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2015	10/28/2022
Chesapeake Appalachia, L.L.C. / Driscoll	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2015	9/14/2022
Chesapeake Appalachia, L.L.C. / Duane	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2015	6/2/2022
Chesapeake Appalachia, L.L.C. / Duffield	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/21/2020	2/21/2025
Chesapeake Appalachia, L.L.C. / Dulcey	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	11/14/2021
Chesapeake Appalachia, L.L.C. / Dunham	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/13/2022
Chesapeake Appalachia, L.L.C. / Dunny	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/23/2022
Chesapeake Appalachia, L.L.C. / Dziuba	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/14/2021
Chesapeake Appalachia, L.L.C. / Earnshaw	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2015	8/26/2022
Chesapeake Appalachia, L.L.C. / EDF NEW	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2015	7/29/2022
Chesapeake Appalachia, L.L.C. / Edger	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	12/13/2023
Chesapeake Appalachia, L.L.C. / Eileen	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/13/2019	8/13/2024
Chesapeake Appalachia, L.L.C. / Elevation	North Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2014	3/24/2022
Chesapeake Appalachia, L.L.C. / Elwell	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/28/2016	1/4/2024
Chesapeake Appalachia, L.L.C. / Engelke	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2020
Chesapeake Appalachia, L.L.C. / Epler	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/16/2022
Chesapeake Appalachia, L.L.C. / Evanchick	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2019	6/3/2024
Chesapeake Appalachia, L.L.C. / Everbreeze	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Chesapeake Appalachia, L.L.C. / Farr	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/4/2019	9/4/2024
Chesapeake Appalachia, L.L.C. / Fausto	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/20/2021

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Chesapeake Appalachia, L.L.C. / Felter-NEW	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	8/5/2022
Chesapeake Appalachia, L.L.C. / Ferraro	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	2/13/2024
Chesapeake Appalachia, L.L.C. / Feusner New	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Finan	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2017	1/30/2024
Chesapeake Appalachia, L.L.C. / Finnerty	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Fisher	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	7/26/2021
Chesapeake Appalachia, L.L.C. / Fitzsimmons	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/13/2019	8/13/2024
Chesapeake Appalachia, L.L.C. / Flash	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	5/21/2022
Chesapeake Appalachia, L.L.C. / Floydie	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/5/2016	3/20/2024
Chesapeake Appalachia, L.L.C. / Folta	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/19/2020
Chesapeake Appalachia, L.L.C. / Forbes NEW	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2015	7/9/2022
Chesapeake Appalachia, L.L.C. / Foster	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2015	9/23/2022
Chesapeake Appalachia, L.L.C. / Fox	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/23/2016	1/4/2024
Chesapeake Appalachia, L.L.C. / Franclaire	Braintrim Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	12/6/2020
Chesapeake Appalachia, L.L.C. / Fred	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2020	6/24/2025
Chesapeake Appalachia, L.L.C. / Freed	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	4/30/2024
Chesapeake Appalachia, L.L.C. / Fremar	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Chesapeake Appalachia, L.L.C. / Frisbee	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/8/2022
Chesapeake Appalachia, L.L.C. / Gardner	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	10/27/2021
Chesapeake Appalachia, L.L.C. / Garrison	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2019	4/1/2024
Chesapeake Appalachia, L.L.C. / Gary	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	12/13/2022

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Chesapeake Appalachia, L.L.C. / GB	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/13/2021
Chesapeake Appalachia, L.L.C. / Gemm	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/19/2022
Chesapeake Appalachia, L.L.C. / George	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2015	8/13/2022
Chesapeake Appalachia, L.L.C. / Gerbino #1	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Chesapeake Appalachia, L.L.C. / Gestewitz	North Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	11/8/2021
Chesapeake Appalachia, L.L.C. / Goll	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/26/2015	10/12/2022
Chesapeake Appalachia, L.L.C. / Governale	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/4/2015	9/20/2022
Chesapeake Appalachia, L.L.C. / Gowan	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/25/2019	11/25/2024
Chesapeake Appalachia, L.L.C. / Grant	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/26/2015	10/20/2022
Chesapeake Appalachia, L.L.C. / Gregerson	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	11/21/2023
Chesapeake Appalachia, L.L.C. / Gregory	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2015	11/1/2020
Chesapeake Appalachia, L.L.C. / Grippo	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2020	3/2/2025
Chesapeake Appalachia, L.L.C. / Hannan	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
Chesapeake Appalachia, L.L.C. / Hardic	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2020	4/27/2025
Chesapeake Appalachia, L.L.C. / Harlan	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	8/6/2023
Chesapeake Appalachia, L.L.C. / Harnish	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	2/8/2021
Chesapeake Appalachia, L.L.C. / Harper	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Chesapeake Appalachia, L.L.C. / Harry	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/25/2019	11/25/2024
Chesapeake Appalachia, L.L.C. / Hart	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/29/2016	5/17/2024
Chesapeake Appalachia, L.L.C. / Hartz	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	12/20/2022
Chesapeake Appalachia, L.L.C. / Hattie BRA	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/5/2016	3/30/2024

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Chesapeake Appalachia, L.L.C. / Hayward New	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	5/20/2022
Chesapeake Appalachia, L.L.C. / Henderson	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2015	6/28/2022
Chesapeake Appalachia, L.L.C. / Henry	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Chesapeake Appalachia, L.L.C. / Herr	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	2/17/2021
Chesapeake Appalachia, L.L.C. / Hershberger	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/29/2019	7/29/2024
Chesapeake Appalachia, L.L.C. / Hess	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/10/2016	5/10/2021
Chesapeake Appalachia, L.L.C. / Hickory Row	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
Chesapeake Appalachia, L.L.C. / Hi-Lev	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/28/2021
Chesapeake Appalachia, L.L.C. / Hillis	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2016	8/23/2021
Chesapeake Appalachia, L.L.C. / Hilltop NEW	Jessup Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Hoffman	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2020	4/22/2025
Chesapeake Appalachia, L.L.C. / Holtan	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/21/2020	5/21/2025
Chesapeake Appalachia, L.L.C. / Hooker	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/21/2017	5/7/2023
Chesapeake Appalachia, L.L.C. / Hope	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2015	9/28/2022
Chesapeake Appalachia, L.L.C. / Hopson	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2015	10/4/2020
Chesapeake Appalachia, L.L.C. / Horst	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	1/11/2022
Chesapeake Appalachia, L.L.C. / Hulslander	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	4/20/2021
Chesapeake Appalachia, L.L.C. / Hunsinger	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/4/2019	9/4/2024
Chesapeake Appalachia, L.L.C. / Hunter	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/8/2019	8/8/2024
Chesapeake Appalachia, L.L.C. / Iceman	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/2/2016	5/30/2024
Chesapeake Appalachia, L.L.C. / IH	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/17/2021

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Chesapeake Appalachia, L.L.C. / Insinger	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2015	7/9/2022
Chesapeake Appalachia, L.L.C. / Isbell	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
Chesapeake Appalachia, L.L.C. / J & J	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2016	6/20/2021
Chesapeake Appalachia, L.L.C. / Jack	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	5/6/2022
Chesapeake Appalachia, L.L.C. / Jacobs	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2015	7/13/2022
Chesapeake Appalachia, L.L.C. / Jads	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Chesapeake Appalachia, L.L.C. / Jag	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2016	9/6/2021
Chesapeake Appalachia, L.L.C. / James Barrett	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / James Smith	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/21/2019	11/21/2024
Chesapeake Appalachia, L.L.C. / Janet	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	5/15/2022
Chesapeake Appalachia, L.L.C. / Jayne	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/18/2019	11/18/2024
Chesapeake Appalachia, L.L.C. / Jes	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/2/2017	3/15/2023
Chesapeake Appalachia, L.L.C. / Joanclark	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2015	8/4/2022
Chesapeake Appalachia, L.L.C. / Joe	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	8/8/2021
Chesapeake Appalachia, L.L.C. / Joeguswa	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2017	11/30/2023
Chesapeake Appalachia, L.L.C. / John Barrett	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Johnson	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/13/2022
Chesapeake Appalachia, L.L.C. / Jokah	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	2/7/2021
Chesapeake Appalachia, L.L.C. / Jones Pad	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/22/2021
Chesapeake Appalachia, L.L.C. / Judd	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Juser	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/29/2022

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Chesapeake Appalachia, L.L.C. / Kalinowski	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Chesapeake Appalachia, L.L.C. / Karp	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	5/31/2021
Chesapeake Appalachia, L.L.C. / Kathryn	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/26/2016	1/4/2024
Chesapeake Appalachia, L.L.C. / Katzenstein NEW	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/13/2015	7/13/2022
Chesapeake Appalachia, L.L.C. / Keeler Hollow	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2015	9/10/2022
Chesapeake Appalachia, L.L.C. / Keir	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	12/1/2022
Chesapeake Appalachia, L.L.C. / Kent	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Chesapeake Appalachia, L.L.C. / Kenyon	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2015	5/28/2022
Chesapeake Appalachia, L.L.C. / Kingsley	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	4/26/2021
Chesapeake Appalachia, L.L.C. / Kinnarney	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	12/20/2020
Chesapeake Appalachia, L.L.C. / Kipar NEW	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2015	6/28/2022
Chesapeake Appalachia, L.L.C. / Knapp	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/28/2016	11/8/2023
Chesapeake Appalachia, L.L.C. / Knickerbocker	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/17/2021
Chesapeake Appalachia, L.L.C. / Koromlan	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Chesapeake Appalachia, L.L.C. / Krise	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/2/2016	11/15/2023
Chesapeake Appalachia, L.L.C. / Kupetsky	Nicholson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2017	11/28/2023
Chesapeake Appalachia, L.L.C. / Lambert Farms	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2015	8/3/2022
Chesapeake Appalachia, L.L.C. / Lambs Farm	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/27/2021
Chesapeake Appalachia, L.L.C. / Landmesser	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/12/2022
Chesapeake Appalachia, L.L.C. / LaRue 1A	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2020	4/27/2025
Chesapeake Appalachia, L.L.C. / LaRue 1B	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2020	4/27/2025

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Chesapeake Appalachia, L.L.C. / Lasher	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/16/2017	3/15/2023
Chesapeake Appalachia, L.L.C. / Lattimer	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/6/2020	8/6/2025
Chesapeake Appalachia, L.L.C. / Layton	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	7/15/2021
Chesapeake Appalachia, L.L.C. / Leaman	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Chesapeake Appalachia, L.L.C. / Lemoreview Farms	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2015	10/4/2022
Chesapeake Appalachia, L.L.C. / Lillie-NEW	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Lines	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/28/2016	11/14/2023
Chesapeake Appalachia, L.L.C. / Linski	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2015	6/17/2022
Chesapeake Appalachia, L.L.C. / Lionetti	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	1/8/2022
Chesapeake Appalachia, L.L.C. / LKM	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/4/2016	9/19/2021
Chesapeake Appalachia, L.L.C. / Lomison Inc	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	5/26/2021
Chesapeake Appalachia, L.L.C. / Lopatofsky NEW	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	7/27/2022
Chesapeake Appalachia, L.L.C. / LRJ	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	5/19/2021
Chesapeake Appalachia, L.L.C. / Lucy	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2017	4/19/2023
Chesapeake Appalachia, L.L.C. / Lundy	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2014	3/24/2022
Chesapeake Appalachia, L.L.C. / LW	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/13/2016	11/21/2021
Chesapeake Appalachia, L.L.C. / Lytwyn	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/12/2022
Chesapeake Appalachia, L.L.C. / Mad Dog	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	8/15/2021
Chesapeake Appalachia, L.L.C. / Madden	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Maggie	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/5/2016	3/20/2024
Chesapeake Appalachia, L.L.C. / Makayla	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	2/13/2024

Facility Name	Municipality	State	Approval Type Approval by Rule (ABR) Consumptive Use (CU) Diversion (DIV) Groundwater (GW) Surface Water (SW)	NAICS Title	Approval Date(s)	Expiration Date(s)
Chesapeake Appalachia, L.L.C. / Manahan	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/28/2016	1/31/2024
Chesapeake Appalachia, L.L.C. / Manning	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	4/23/2024
Chesapeake Appalachia, L.L.C. / Maple Ln Farms	Athens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2017	2/21/2024
Chesapeake Appalachia, L.L.C. / Marbaker	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	3/11/2022
Chesapeake Appalachia, L.L.C. / Maris	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/12/2016	5/17/2024
Chesapeake Appalachia, L.L.C. / Martin	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/4/2019	9/4/2024
Chesapeake Appalachia, L.L.C. / Masso	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / Matt	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2015	9/20/2022
Chesapeake Appalachia, L.L.C. / Matt Will Farms	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2015	5/26/2022
Chesapeake Appalachia, L.L.C. / May	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / McCabe	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/26/2022
Chesapeake Appalachia, L.L.C. / McConnell	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2020	6/24/2025
Chesapeake Appalachia, L.L.C. / McDonough	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Chesapeake Appalachia, L.L.C. / McEnaney	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2017	4/2/2023
Chesapeake Appalachia, L.L.C. / McGavin	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/21/2022
Chesapeake Appalachia, L.L.C. / McGraw	Washington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2015	5/21/2022
Chesapeake Appalachia, L.L.C. / McGroarty	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/7/2016	9/19/2021
Chesapeake Appalachia, L.L.C. / Meas	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
Chesapeake Appalachia, L.L.C. / Mel	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/17/2021
Chesapeake Appalachia, L.L.C. / Meng	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	1/11/2021
Chesapeake Appalachia, L.L.C. / Merryall	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/28/2016	8/30/2021

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Chesapeake Appalachia, L.L.C. / Messersmith	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/28/2016	1/31/2024
Chesapeake Appalachia, L.L.C. / Miller	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/21/2020	2/21/2025
Chesapeake Appalachia, L.L.C. / Milochik	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	7/15/2022
Chesapeake Appalachia, L.L.C. / Mobear	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2015	12/2/2022
Chesapeake Appalachia, L.L.C. / Molly J 2	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/6/2019	5/6/2024
Chesapeake Appalachia, L.L.C. / Moody	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	4/25/2021
Chesapeake Appalachia, L.L.C. / Moore Farm	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/13/2015	8/10/2022
Chesapeake Appalachia, L.L.C. / Moose	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chesapeake Appalachia, L.L.C. / Morse	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2015	5/15/2022
Chesapeake Appalachia, L.L.C. / Mowry	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Mowry2	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
Chesapeake Appalachia, L.L.C. / Moyer	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/2/2016	2/17/2024
Chesapeake Appalachia, L.L.C. / MPC New	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	4/26/2021
Chesapeake Appalachia, L.L.C. / MTL	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2019	6/17/2024
Chesapeake Appalachia, L.L.C. / Neal	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/14/2021
Chesapeake Appalachia, L.L.C. / Nichols	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2016	6/27/2021
Chesapeake Appalachia, L.L.C. / Nicholson	Nicholson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2016	10/31/2021
Chesapeake Appalachia, L.L.C. / Nickolyn	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/21/2020	5/21/2025
Chesapeake Appalachia, L.L.C. / Nina	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	8/6/2023
Chesapeake Appalachia, L.L.C. / Norconk	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	12/13/2020
Chesapeake Appalachia, L.L.C. / Norton	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	11/2/2020

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Chesapeake Appalachia, L.L.C. / ODowd	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/21/2017	5/13/2023
Chesapeake Appalachia, L.L.C. / Oilcan	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/12/2016	7/15/2021
Chesapeake Appalachia, L.L.C. / Otis	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2014	3/10/2022
Chesapeake Appalachia, L.L.C. / Otten	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Parkhurst	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/9/2018	9/30/2023
Chesapeake Appalachia, L.L.C. / Paul	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/12/2016	7/26/2021
Chesapeake Appalachia, L.L.C. / Pauliny	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2020	5/29/2025
Chesapeake Appalachia, L.L.C. / Penecale	North Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	11/23/2020
Chesapeake Appalachia, L.L.C. / Petty	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2015	7/29/2022
Chesapeake Appalachia, L.L.C. / Phillips	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/19/2022
Chesapeake Appalachia, L.L.C. / Pierson 1	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2020	4/27/2025
Chesapeake Appalachia, L.L.C. / Pieszala	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2015	7/20/2022
Chesapeake Appalachia, L.L.C. / Plymouth	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2020	4/22/2025
Chesapeake Appalachia, L.L.C. / Poepperling	North Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2017	4/22/2023
Chesapeake Appalachia, L.L.C. / Polomski	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/13/2015	4/28/2022
Chesapeake Appalachia, L.L.C. / Pond Family	Colley Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/21/2018	11/21/2023
Chesapeake Appalachia, L.L.C. / Popivchak	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Chesapeake Appalachia, L.L.C. / Porter	North Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2018	6/10/2023
Chesapeake Appalachia, L.L.C. / Potter	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Chesapeake Appalachia, L.L.C. / Primrose	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	11/15/2020
Chesapeake Appalachia, L.L.C. / Przybyszewski	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2019	5/29/2024

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Chesapeake Appalachia, L.L.C. / Quail	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/23/2016	6/21/2021
Chesapeake Appalachia, L.L.C. / Raimo	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/26/2016	1/4/2024
Chesapeake Appalachia, L.L.C. / Rain	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2015	9/20/2022
Chesapeake Appalachia, L.L.C. / Rainbow BRA	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/24/2016	3/30/2024
Chesapeake Appalachia, L.L.C. / Ramblinrose	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	5/10/2021
Chesapeake Appalachia, L.L.C. / Readerger	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2020	3/2/2025
Chesapeake Appalachia, L.L.C. / Redbone	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/28/2016	1/4/2024
Chesapeake Appalachia, L.L.C. / Redmond	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chesapeake Appalachia, L.L.C. / Reilly	Colley Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	4/30/2024
Chesapeake Appalachia, L.L.C. / Rexford	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	4/21/2022
Chesapeake Appalachia, L.L.C. / RGB	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	12/13/2023
Chesapeake Appalachia, L.L.C. / Rich	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chesapeake Appalachia, L.L.C. / Richard	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2016	11/14/2023
Chesapeake Appalachia, L.L.C. / Ridenour	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/26/2016	1/4/2024
Chesapeake Appalachia, L.L.C. / Robbins	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/21/2016	11/14/2023
Chesapeake Appalachia, L.L.C. / Robinson NEW	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chesapeake Appalachia, L.L.C. / Rocks	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/10/2021
Chesapeake Appalachia, L.L.C. / Roeber	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/15/2022
Chesapeake Appalachia, L.L.C. / Roger	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Chesapeake Appalachia, L.L.C. / Roland	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	12/13/2022
Chesapeake Appalachia, L.L.C. / Ronmary	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	8/10/2023

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Chesapeake Appalachia, L.L.C. / Rosalie	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Chesapeake Appalachia, L.L.C. / Rose	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2014	3/16/2022
Chesapeake Appalachia, L.L.C. / Rosiemar	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/18/2017	1/30/2024
Chesapeake Appalachia, L.L.C. / Rossi	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	11/14/2021
Chesapeake Appalachia, L.L.C. / Roundtop	Colley Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Chesapeake Appalachia, L.L.C. / Roundwood	Braintrim Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/18/2019	11/18/2024
Chesapeake Appalachia, L.L.C. / Rowe	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chesapeake Appalachia, L.L.C. / Ruth	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2015	7/27/2022
Chesapeake Appalachia, L.L.C. / Rylee	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2015	6/3/2022
Chesapeake Appalachia, L.L.C. / Samantha	Forkston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/30/2015	1/30/2022
Chesapeake Appalachia, L.L.C. / Sarah	Athens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/25/2021
Chesapeake Appalachia, L.L.C. / Scheffler	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	7/27/2022
Chesapeake Appalachia, L.L.C. / Schlapfer	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/2/2016	2/13/2024
Chesapeake Appalachia, L.L.C. / Schoonover	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2014	3/26/2022
Chesapeake Appalachia, L.L.C. / Scrivener	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/26/2015	10/4/2022
Chesapeake Appalachia, L.L.C. / Sensinger	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	4/4/2021
Chesapeake Appalachia, L.L.C. / SGL 289A	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	12/10/2022
Chesapeake Appalachia, L.L.C. / SGL 289B	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2015	9/3/2022
Chesapeake Appalachia, L.L.C. / SGL289C	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2017	1/31/2024
Chesapeake Appalachia, L.L.C. / Shamrock	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2018	6/10/2023
Chesapeake Appalachia, L.L.C. / Sharer	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/9/2019	9/9/2024

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Chesapeake Appalachia, L.L.C. / Sharpe	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2017	4/5/2023
Chesapeake Appalachia, L.L.C. / Shaw	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2020	7/8/2025
Chesapeake Appalachia, L.L.C. / Shingle Ridge	North Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
Chesapeake Appalachia, L.L.C. / Shirley	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/7/2014	1/9/2022
Chesapeake Appalachia, L.L.C. / Shores	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/27/2022
Chesapeake Appalachia, L.L.C. / Shumhurst2	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/14/2017	9/14/2023
Chesapeake Appalachia, L.L.C. / Sidonio	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	10/14/2022
Chesapeake Appalachia, L.L.C. / Simpson	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chesapeake Appalachia, L.L.C. / Sivers	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / SJW	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	7/5/2021
Chesapeake Appalachia, L.L.C. / Slumber Valley	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/3/2020	8/3/2025
Chesapeake Appalachia, L.L.C. / Smurkoski	Meshoppen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	9/30/2021
Chesapeake Appalachia, L.L.C. / Solowiej	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2014	1/11/2022
Chesapeake Appalachia, L.L.C. / Stalford	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2020	7/8/2025
Chesapeake Appalachia, L.L.C. / Stempel	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	4/20/2021
Chesapeake Appalachia, L.L.C. / Stethers	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	8/6/2023
Chesapeake Appalachia, L.L.C. / Stevens	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Chesapeake Appalachia, L.L.C. / Stone	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	9/30/2021
Chesapeake Appalachia, L.L.C. / Stoorza	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Chesapeake Appalachia, L.L.C. / Storms	Tuscarora Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
Chesapeake Appalachia, L.L.C. / Stoudt	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2015	9/3/2022

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Chesapeake Appalachia, L.L.C. / Strom	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2019	6/3/2024
Chesapeake Appalachia, L.L.C. / Strope	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2015	7/15/2022
Chesapeake Appalachia, L.L.C. / Struble	Litchfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/20/2021
Chesapeake Appalachia, L.L.C. / Sugar Creek - Isbell	Burlington Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/30/2022
Chesapeake Appalachia, L.L.C. / Susan	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2016	8/23/2021
Chesapeake Appalachia, L.L.C. / Susquehanna River - Mehoopany Twp.	Mehoopany Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/16/2017	6/30/2022
Chesapeake Appalachia, L.L.C. / Susquehanna River - Newton	Terry Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/30/2022
Chesapeake Appalachia, L.L.C. / Susquehanna River - Salsman	Braintrim Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
Chesapeake Appalachia, L.L.C. / Susquehanna River - Wilmot Twp.	Wilmot Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/18/2020	9/17/2025
Chesapeake Appalachia, L.L.C. / Susquehanna River - Windham Twp.	Windham Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/18/2020	9/17/2025
Chesapeake Appalachia, L.L.C. / Susquehanna River - Wysox Twp.	Wysox Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/16/2017	6/30/2022
Chesapeake Appalachia, L.L.C. / TA	Colley Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2019	4/1/2024
Chesapeake Appalachia, L.L.C. / Tama	North Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	10/20/2020
Chesapeake Appalachia, L.L.C. / Tanner & Hana	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
Chesapeake Appalachia, L.L.C. / Taylor	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2015	11/15/2020
Chesapeake Appalachia, L.L.C. / Thall	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/13/2015	8/20/2022
Chesapeake Appalachia, L.L.C. / Them	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/17/2015	6/14/2022
Chesapeake Appalachia, L.L.C. / Tiffany	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2015	7/9/2022
Chesapeake Appalachia, L.L.C. / Tinna	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2018	6/10/2023
Chesapeake Appalachia, L.L.C. / Towner	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2020	7/8/2025
Chesapeake Appalachia, L.L.C. / Treat	Rome Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025

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Chesapeake Appalachia, L.L.C. / Trowbridge	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2019	9/3/2024
Chesapeake Appalachia, L.L.C. / Tufano	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	8/28/2023
Chesapeake Appalachia, L.L.C. / Tyler	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2016	8/23/2021
Chesapeake Appalachia, L.L.C. / Updike	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / Van DeMark	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2015	7/27/2022
Chesapeake Appalachia, L.L.C. / VanNoy	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2019	5/22/2024
Chesapeake Appalachia, L.L.C. / Vargson	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2019	6/3/2024
Chesapeake Appalachia, L.L.C. / Vera	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2015	9/3/2022
Chesapeake Appalachia, L.L.C. / Verex	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/13/2015	5/6/2022
Chesapeake Appalachia, L.L.C. / Visneski	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/21/2017	5/7/2023
Chesapeake Appalachia, L.L.C. / VRGC	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	1/21/2021
Chesapeake Appalachia, L.L.C. / Walker	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	1/31/2021
Chesapeake Appalachia, L.L.C. / Walt	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2014	3/17/2022
Chesapeake Appalachia, L.L.C. / Ward	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
Chesapeake Appalachia, L.L.C. / Warren	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2015	8/3/2022
Chesapeake Appalachia, L.L.C. / Warren #1	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Chesapeake Appalachia, L.L.C. / Wasyl	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	1/10/2021
Chesapeake Appalachia, L.L.C. / Way	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/21/2020	5/21/2025
Chesapeake Appalachia, L.L.C. / Weisbrod	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2015	11/3/2022
Chesapeake Appalachia, L.L.C. / Welles 1	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/18/2019	6/18/2024
Chesapeake Appalachia, L.L.C. / Welles 2	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2019	9/25/2024

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Chesapeake Appalachia, L.L.C. / Welles 3	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	1/9/2022
Chesapeake Appalachia, L.L.C. / Welles 4	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	1/10/2022
Chesapeake Appalachia, L.L.C. / Welles 5	Terry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2014	2/19/2022
Chesapeake Appalachia, L.L.C. / WGC	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/2/2016	5/30/2024
Chesapeake Appalachia, L.L.C. / White SUS	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Chesapeake Appalachia, L.L.C. / Wildonger	Wyalusing Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	12/16/2023
Chesapeake Appalachia, L.L.C. / Williams	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	9/9/2022
Chesapeake Appalachia, L.L.C. / Williamson	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	11/14/2023
Chesapeake Appalachia, L.L.C. / Wolf	Athens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2015	8/26/2022
Chesapeake Appalachia, L.L.C. / Wootten	Mehoopany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	6/21/2021
Chesapeake Appalachia, L.L.C. / Wyalusing Creek - Rush Twp.	Rush Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/16/2017	6/15/2022
Chesapeake Appalachia, L.L.C. / Wyalusing Creek - Wyalusing Twp.	Wyalusing Borough	PA	SW	Crude Petroleum and Natural Gas Extraction	9/18/2020	9/17/2025
Chesapeake Appalachia, L.L.C. / Wygrala	Wysox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2020	9/21/2025
Chesapeake Appalachia, L.L.C. / Yadpad	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	2/17/2024
Chesapeake Appalachia, L.L.C. / Yench	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/31/2017	9/24/2023
Chesapeake Appalachia, L.L.C. / Yengo	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chesapeake Appalachia, L.L.C. / Yoder	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/13/2015	4/13/2022
Chesapeake Appalachia, L.L.C. / Yost	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	12/14/2023
Chesapeake Appalachia, L.L.C. / Yvonne	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	10/8/2020
Chesapeake Appalachia, L.L.C. / Zaleski	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2015	11/9/2020
Chester County Solid Waste Authority / Lanchester Landfill	Caernarvon Township	PA	GW,CU	Solid Waste Landfill	6/11/2010	6/10/2025

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Chester Water Authority / Chester Water Authority	Little Britain Township	PA	SW, CU	Water Supply and Irrigation Systems	11/26/1996, 12/08/2016	12/31/2021, 03/31/2038
Chetremon Golf Course, LLC / Chetremon Golf Course	Burnside Township	PA	CU	Golf Courses and Country Clubs	9/10/2015	9/30/2030
Chief Oil & Gas LLC / Allen Drilling Pad #1	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2020	9/3/2025
Chief Oil & Gas LLC / AMBROSIUS B PAD	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/9/2017	3/9/2022
Chief Oil & Gas LLC / Ambrosius Drilling Pad #1	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/14/2016	5/7/2022
Chief Oil & Gas LLC / Arnold A Drilling Pad	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	7/9/2022
Chief Oil & Gas LLC / B & B Investment Group Drilling Pad #1	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/1/2015	10/29/2020
Chief Oil & Gas LLC / Bacon Drilling Pad #1	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Chief Oil & Gas LLC / Bahl Drilling Pad	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	10/27/2020
Chief Oil & Gas LLC / Bailey Drilling Pad #1	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	1/9/2022
Chief Oil & Gas LLC / Baumunk North B Drilling Pad	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/4/2019	6/4/2024
Chief Oil & Gas LLC / Bedford	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/21/2020	8/21/2025
Chief Oil & Gas LLC / Beirne Green Hills Farms A Drilling Pad #1	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/8/2016	11/18/2021
Chief Oil & Gas LLC / Belawske	Burlington Borough	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	7/5/2021
Chief Oil & Gas LLC / Benspond	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Chief Oil & Gas LLC / Bishop Drilling Pad	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/31/2017	12/31/2022
Chief Oil & Gas LLC / Black Unit #1H	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/14/2019	5/14/2024
Chief Oil & Gas LLC / Blanchard Drilling Pad	McNett Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Chief Oil & Gas LLC / Bouse Drilling Pad #1	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2016	10/11/2023
Chief Oil & Gas LLC / Boy Scouts Drilling Pad	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/17/2017	7/31/2022
Chief Oil & Gas LLC / Brule	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2016	10/11/2021

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Chief Oil & Gas LLC / Cahill Realty Business Unit Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/3/2020	5/3/2025
Chief Oil & Gas LLC / Castle A Drilling Pad #1	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	2/13/2023
Chief Oil & Gas LLC / Clark Drilling Pad	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/13/2019	6/13/2024
Chief Oil & Gas LLC / Clear Springs Dairy Drilling Pad #1	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Chief Oil & Gas LLC / Cochran Drilling Pad	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2017	1/11/2023
Chief Oil & Gas LLC / Corbett Unit Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
Chief Oil & Gas LLC / Crandall Drilling Pad #1	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2016	2/13/2024
Chief Oil & Gas LLC / Curtin Drilling Pad #1	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	12/20/2020
Chief Oil & Gas LLC / Czop Drilling Pad	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/19/2019	6/16/2024
Chief Oil & Gas LLC / D & J Farms Drilling Pad #1	Sheshequin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/17/2016	4/11/2022
Chief Oil & Gas LLC / Dacheux B Drilling Pad	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/29/2019	7/29/2024
Chief Oil & Gas LLC / Dacheux Drilling Pad #1	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	1/20/2021
Chief Oil & Gas LLC / Duane Jennings Drilling Pad #1	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Chief Oil & Gas LLC / Elliott B Drilling Pad #1	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2016	9/27/2023
Chief Oil & Gas LLC / Elliott Drilling Pad #1H	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
Chief Oil & Gas LLC / G & S Big Rigger Drilling Pad	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2017	7/25/2022
Chief Oil & Gas LLC / Garrison Drilling Pad #1	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/30/2015	2/25/2021
Chief Oil & Gas LLC / Garrison West Drilling Pad	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/24/2018	11/25/2023
Chief Oil & Gas LLC / Hanlon	McNett Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/20/2017	3/15/2023
Chief Oil & Gas LLC / Harper Unit #1H	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/14/2019	5/14/2024
Chief Oil & Gas LLC / Harris #1H	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2019	5/29/2024

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Chief Oil & Gas LLC / Hart North Drilling Pad	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	10/27/2020
Chief Oil & Gas LLC / Harvey Drilling Pad	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2017	12/31/2022
Chief Oil & Gas LLC / Hemlock Hunting Club B Drilling Pad #1	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/15/2016	7/15/2021
Chief Oil & Gas LLC / Hemlock Hunting Club Drilling Pad #1	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2020	9/21/2025
Chief Oil & Gas LLC / HEMLOCK RIDGE ESTATES PAD	McNett Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/25/2019	2/25/2024
Chief Oil & Gas LLC / Herbert Drilling Pad	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/16/2019	4/16/2024
Chief Oil & Gas LLC / HOFFMAN UNIT PAD	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/7/2019	1/7/2024
Chief Oil & Gas LLC / Hottenstein	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Chief Oil & Gas LLC / Hurley Drilling Pad #1	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	1/31/2024
Chief Oil & Gas LLC / I. Harvey Drilling Pad	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2019	4/29/2024
Chief Oil & Gas LLC / IDC-INNES UNIT PAD	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2019	6/7/2024
Chief Oil & Gas LLC / J. Brown Drilling Pad	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/30/2017	3/12/2023
Chief Oil & Gas LLC / Jacobson Unit Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/15/2016	7/15/2021
Chief Oil & Gas LLC / Jennings Unit #1H	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/14/2019	5/14/2024
Chief Oil & Gas LLC / Kaufmann Drilling Pad #1	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	1/4/2022
Chief Oil & Gas LLC / Kerr B Drilling Pad #1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2016	9/27/2021
Chief Oil & Gas LLC / Kerr Drilling Pad #1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2020	6/15/2025
Chief Oil & Gas LLC / Kerrick Drilling Pad #1	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	3/24/2021
Chief Oil & Gas LLC / King Drilling Pad #1	Towanda Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/10/2016	5/14/2022
Chief Oil & Gas LLC / Kingsley B Drilling Pad #1	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	12/7/2021
Chief Oil & Gas LLC / Kingsley Drilling Pad #1	Monroe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2020	5/8/2025

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Chief Oil & Gas LLC / Kupscznk B Drilling Pad	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2018	11/19/2023
Chief Oil & Gas LLC / Kupscznk D Drilling Pad	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2018	11/5/2023
Chief Oil & Gas LLC / Kupscznk Drilling Pad #1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chief Oil & Gas LLC / Kuziak B Drilling Pad	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/23/2019	12/23/2024
Chief Oil & Gas LLC / Kuziak Drilling Pad #1	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	7/12/2021
Chief Oil & Gas LLC / L & L Construction A Drilling Pad #1	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/6/2016	2/13/2022
Chief Oil & Gas LLC / L. KINGSLEY NORTH UNIT PAD	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	3/29/2024
Chief Oil & Gas LLC / Lathrop Farm Trust B Drilling Pad	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/27/2018	9/17/2023
Chief Oil & Gas LLC / Lathrop Farm Trust Drilling Pad	Auburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/22/2017	2/28/2023
Chief Oil & Gas LLC / Laurel	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	10/11/2023
Chief Oil & Gas LLC / Leh Drilling Pad #1	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2016	4/11/2024
Chief Oil & Gas LLC / Lightcap	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2017	3/15/2023
Chief Oil & Gas LLC / Loch Drilling Pad	Nicholson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2018	11/5/2023
Chief Oil & Gas LLC / Loyalsock Creek	Forksville Borough	PA	SW	Crude Petroleum and Natural Gas Extraction	9/6/2019	9/30/2024
Chief Oil & Gas LLC / Lucarino Drilling Pad #1	Wilmot Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/20/2016	12/7/2023
Chief Oil & Gas LLC / M&M Estates	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2015	11/4/2020
Chief Oil & Gas LLC / Madigan Farms A Drilling Pad #1	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/10/2016	11/14/2023
Chief Oil & Gas LLC / Martino Drilling Pad #1	Albany Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	4/1/2021
Chief Oil & Gas LLC / McCarty Drilling Pad #1	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chief Oil & Gas LLC / Mehalick Drilling Pad	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/10/2017	10/26/2022
Chief Oil & Gas LLC / Muzzy Drilling Pad #1	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2016	2/27/2024

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Chief Oil & Gas LLC / Myers Unit Drilling Pad #1	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2016	1/31/2022
Chief Oil & Gas LLC / Nelson Drilling Pad #1	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2016	11/28/2023
Chief Oil & Gas LLC / Noble Drilling Pad #1	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	4/12/2021
Chief Oil & Gas LLC / Ober Drilling Pad #1	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2016	3/23/2024
Chief Oil & Gas LLC / Oliver Drilling Pad #1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2020	5/20/2025
Chief Oil & Gas LLC / P. Cullen A Drilling Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2017	4/26/2023
Chief Oil & Gas LLC / PA Woodlands Drilling Pad	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
Chief Oil & Gas LLC / Pa's Farm Family A Drilling Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/10/2017	7/13/2022
Chief Oil & Gas LLC / Phelps B Drilling Pad	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Chief Oil & Gas LLC / Phelps Unit #1H	Lathrop Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
Chief Oil & Gas LLC / PMG Annie Drilling Pad #1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	3/17/2021
Chief Oil & Gas LLC / PMG God Drilling Pad #1	Asylum Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2015	11/24/2020
Chief Oil & Gas LLC / Polovitch West Drilling Pad #1	Nicholson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	4/25/2021
Chief Oil & Gas LLC / Polowy Drilling Pad #1	Ulster Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/28/2016	5/14/2022
Chief Oil & Gas LLC / Postell A Drilling Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	7/9/2022
Chief Oil & Gas LLC / R&N	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/5/2016	3/14/2022
Chief Oil & Gas LLC / Raimo Unit Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	3/29/2022
Chief Oil & Gas LLC / Reibson Drilling Pad	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/2/2019	8/2/2024
Chief Oil & Gas LLC / Rogers Drilling Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/15/2018	1/24/2024
Chief Oil & Gas LLC / Romisoukas Drilling Pad	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2017	9/25/2022
Chief Oil & Gas LLC / Runabuck Drilling Pad	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/14/2017	5/15/2023

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Chief Oil & Gas LLC / S.A. Wilson Drilling Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Chief Oil & Gas LLC / Savage Drilling Pad #1	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	8/10/2021
Chief Oil & Gas LLC / Sechrist Drilling Pad #1	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Chief Oil & Gas LLC / Severcool Drilling Pad #1	Forkston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Chief Oil & Gas LLC / SGL 12 C DRILLING PAD	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/27/2017	3/27/2023
Chief Oil & Gas LLC / SGL 12 D DRILLING PAD	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/26/2017	4/26/2024
Chief Oil & Gas LLC / SGL 12 HARDY DRILLING PAD	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2017	6/30/2022
Chief Oil & Gas LLC / SGL 12 K UNIT PAD	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2017	2/24/2023
Chief Oil & Gas LLC / SGL 12 M NORTH DRILLING PAD	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2018	2/9/2023
Chief Oil & Gas LLC / SGL 12 N WEST DRILLING PAD	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2018	1/22/2023
Chief Oil & Gas LLC / SGL 12 O PAD	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/11/2019	6/11/2024
Chief Oil & Gas LLC / SGL 36 DRILLING PAD	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/27/2018	3/27/2023
Chief Oil & Gas LLC / SGL-12 A Drilling Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Chief Oil & Gas LLC / SGL-12 B Drilling Pad	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/12/2019	11/12/2024
Chief Oil & Gas LLC / SGL-12 HARDY EAST UNIT PAD	Overton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2020	3/2/2025
Chief Oil & Gas LLC / SGL-12 P UNIT PAD	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
Chief Oil & Gas LLC / Signore Drilling Pad #1	Elkland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chief Oil & Gas LLC / Slattery	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/15/2017	11/16/2022
Chief Oil & Gas LLC / Spencer Drilling Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	6/26/2023
Chief Oil & Gas LLC / Squier B Drilling Pad #1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/21/2016	10/11/2021
Chief Oil & Gas LLC / Squier Drilling Pad #1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025

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Chief Oil & Gas LLC / Stasiak Drilling Pad #1	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/19/2016	3/23/2022
Chief Oil & Gas LLC / Stone Drilling Pad #1	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Chief Oil & Gas LLC / T. Brown Drilling Pad	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	10/9/2022
Chief Oil & Gas LLC / Tague East Drilling Pad	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/3/2017	8/31/2022
Chief Oil & Gas LLC / Tague West Drilling Pad	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/24/2017	10/16/2022
Chief Oil & Gas LLC / Taylor Drilling Pad #1	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	4/25/2021
Chief Oil & Gas LLC / Taylor Drilling Pad B	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/9/2017	3/9/2023
Chief Oil & Gas LLC / Teel Unit #1H	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Chief Oil & Gas LLC / Teel Unit Drilling Pad #2H	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Chief Oil & Gas LLC / Teel Unit Drilling Pad #3H	Springville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/5/2020	3/5/2025
Chief Oil & Gas LLC / Teeter Drilling Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/18/2017	10/16/2022
Chief Oil & Gas LLC / Towanda Creek	Leroy Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/6/2022
Chief Oil & Gas LLC / W & L Wilson Drilling Pad #1	Lemon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	3/16/2021
Chief Oil & Gas LLC / Waldeisen-Ladd Drilling Pad	Fox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Chief Oil & Gas LLC / Walters Unit #1H	West Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
Chief Oil & Gas LLC / Warburton	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	1/31/2024
Chief Oil & Gas LLC / Warburton North Drilling Pad	Forks Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	10/6/2020
Chief Oil & Gas LLC / Wissler Drilling Pad	McNett Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/4/2019	6/4/2024
Chief Oil & Gas LLC / Wright A Drilling Pad #1	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2016	2/6/2022
Chief Oil & Gas LLC / Yanavitch Drilling Pad #1	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/22/2016	4/11/2022
Chief Oil & Gas LLC / Yoder Drilling Pad #1	Leroy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	1/4/2024

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Chief Oil & Gas LLC / Yonkin B Drilling Pad	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/29/2016	7/29/2021
Chief Oil & Gas LLC / Yonkin Drilling Pad #1	Cherry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	9/23/2021
Chobani, LLC / South Edmeston	Columbus Town	NY	GW,CU	Dairy Product Manufacturing	6/20/2013	6/19/2028
Church & Dwight Co. Inc. / Davies Facility	Jackson Township	PA	CU	Soap and Other Detergent Manufacturing	03/06/2009, 02/23/2016	03/06/2024, 03/06/2024
City of Elmira / Department of Buildings and Grounds / Mark Twain Golf Course	Horseheads Town	NY	CU	Golf Courses and Country Clubs	2/6/2003	2/6/2028
Clean Energy Exploration & Production, LLC / Whispering Pines Pad 1	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	6/24/2021
Clearfield Municipal Authority / Clearfield Municipal Authority	Pike Township	PA	GW	Water Supply and Irrigation Systems	07/11/1991, 02/10/2000, 10/10/2002, 06/13/2006	07/11/2021, 02/10/2025, 10/10/2027, 06/13/2031
Clinton Country Club	Bald Eagle Township	PA	CU	Golf Courses and Country Clubs	6/12/2002	6/12/2027
Clinton County Recreational Authority / Belles Springs Golf Course	Lamar Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 05/29/2020	08/15/2027, 08/15/2027
Coal Mountain Development and Recreation LLC / Eagles Ridge Golf Course	Ferguson Township	PA	SW,CU	Golf Courses and Country Clubs	06/12/2008, 04/30/2020	06/12/2023, 06/12/2023
Cohocton, Town of / Cohocton, Town of	Cohocton Town	NY	GW	Water Supply and Irrigation Systems	07/08/1999, 09/12/2007	07/08/2024, 09/12/2022
Cohocton, Village of / Cohocton, Village of	Cohocton Town	NY	GW	Water Supply and Irrigation Systems	10/09/2003, 09/08/2004	10/09/2028, 09/08/2029
College Township Water Authority / College Township Water Authority	College Township	PA	GW	Water Supply and Irrigation Systems	03/11/1999, 10/10/2002	03/11/2024, 10/10/2027
Columbia Water Company / Columbia Water Company	East Donegal Township	PA	GW	Water Supply and Irrigation Systems	04/26/2018, 09/07/2018	04/26/2043, 09/06/2033
Commonwealth Environmental Systems, Inc. / Commonwealth Environmental Systems, L.P.	Foster Township	PA	GW,CU	Solid Waste Landfill	03/14/2007, 06/12/2008	03/14/2022, 03/14/2022
Community Refuse Service, LLC / Cumberland County Landfill	Hopewell Township	PA	CU,GW	Solid Waste Landfill	09/14/2005, 09/10/2009, 04/30/2020	09/14/2030, 09/14/2030, 09/14/2030
Compass Quarries, Inc. dba Allan Myers Materials / Allan Myers Materials - Paradise Quarry	Paradise Township	PA	CU	Crushed and Broken Limestone Mining and Quarrying	06/09/2004, 05/12/2020	06/09/2029, 06/09/2029
Conestoga Country Club / Conestoga Country Club	Manor Township	PA	SW,CU,GW	Golf Courses and Country Clubs	10/10/2002, 06/12/2008	10/10/2027, 06/12/2023
Conklin, Town of / Conklin, Town of	Conklin Town	NY	GW	Water Supply and Irrigation Systems	10/09/2003, 06/13/2007	10/09/2028, 06/13/2022

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Conyngham/Sugarloaf Joint Municipal Authority / Conyngham/Sugarloaf Joint Municipal Authority	Conyngham Borough	PA	GW	Water Supply and Irrigation Systems	03/14/2007, 12/08/2016	03/14/2022, 12/07/2031
Cool Creek Country Club, Inc. / Cool Creek Golf Club	Hellam Township	PA	CU	Golf Courses and Country Clubs	06/08/2000, 04/30/2020	06/08/2025, 06/08/2025
Coon Industries, LLC / Coon Industries, LLC	Pittston Township	PA	CU	Ready-Mix Concrete Manufacturing	12/12/2002	12/12/2027
Cooperstown Dreams Park, Inc. / Cooperstown Dreams Park, Inc.	Hartwick Town	NY	CU,SW	Spectator Sports	06/14/2006, 03/13/2008, 04/30/2020	06/14/2031, 06/14/2031, 06/14/2031
Corey Creek Golf Club of Mansfield, PA. / Corey Creek Golf Club	Richmond Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 04/30/2020	08/15/2027, 08/15/2027
Corixa dba GlaxoSmithKline Vaccines / GlaxoSmithKline Vaccines	East Donegal Township	PA	CU,GW	Pharmaceutical and Medicine Manufacturing	06/12/2003, 12/15/2004	06/12/2028, 12/15/2029
Corning Incorporated / Corning Incorporated-Headquarters	Corning City	NY	GW	Pottery, Ceramics, and Plumbing Fixture Manufacturing	05/12/1994, 12/03/1998, 06/08/2005	05/12/2024, 12/03/2023, 06/08/2030
Corning Incorporated / Corning Innovation Support Center	Big Flats Town	NY	GW	Other Pressed and Blown Glass and Glassware Manufacturing	3/15/2019	3/14/2034
Corning Incorporated / Diesel Ceramic Manufacturing Facility	Erwin Town	NY	CU	Other Engine Equipment Manufacturing	12/11/2003	12/11/2028
Corning Incorporated / Houghton Park	Corning City	NY	GW	Pottery, Ceramics, and Plumbing Fixture Manufacturing	5/15/1997	5/15/2022
Corning Incorporated / Sullivan Park	Erwin Town	NY	GW,CU	Pottery, Ceramics, and Plumbing Fixture Manufacturing	07/10/1997, 11/13/1997, 06/14/2001	07/10/2022, 07/10/2022, 07/10/2022
Cortlandville, Town of / Cortlandville, Town of	Cortlandville Town	NY	GW	Water Supply and Irrigation Systems	12/5/2019	12/31/2034
Country Club of Harrisburg, PA. (The) / Country Club of Harrisburg, PA. (The)	Susquehanna Township	PA	SW,CU,GW	Golf Courses and Country Clubs	06/12/2002, 03/15/2006, 12/05/2006, 04/30/2020, 12/05/2006	06/12/2027, 06/12/2027, 06/12/2027, 12/05/2031
Country Club of York / Country Club of York	Spring Garden Township	PA	CU	Golf Courses and Country Clubs	8/10/2000	8/10/2025
Crawford Township Authority	Crawford Township	PA	SW	Water Supply and Irrigation Systems	5/23/1996	5/29/2021
Crossgates Golf Course / Crossgates Golf Course	Manor Township	PA	CU,SW	Golf Courses and Country Clubs	05/09/1991, 09/12/1991, 11/04/1999, 03/09/2017	05/08/2021, 05/08/2021, 05/08/2021, 06/30/2036
Crown Club LP / Colonial Golf & Tennis Club	Lower Paxton Township	PA	GW	Golf Courses and Country Clubs	6/14/2001	6/14/2026

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Dairy Farmers of America, Inc. / Dairy Farmers of America, Inc.	Lower Allen Township	PA	CU	Dairy Product Manufacturing	12/12/2002, 09/13/2006	12/12/2027, 12/12/2027
Dallastown-Yoe Water Authority / Dallastown-Yoe Water Authority	Dallastown Borough	PA	NULL	Water Supply and Irrigation Systems	6/15/2009	6/15/2033
Dart Container Corporation / Dart Container Corporation of Pennsylvania	Upper Leacock Township	PA	GW,CU	Unlaminated Plastics Profile Shape Manufacturing	09/08/2004, 06/14/2006, 09/11/2008, 09/08/2004, 06/13/2007	09/08/2029, 09/08/2029, 09/08/2029, 09/08/2029
Dauphin County General Authority / Highlands Golf Course	Swatara Township	PA	GW,CU	Golf Courses and Country Clubs	01/13/1994, 02/10/2000, 08/09/2001, 04/30/2020	01/13/2024, 01/13/2024, 01/13/2024, 01/13/2024
Davern Management, LLC / Ely Park Golf Course	Dickinson Town	NY	CU	Golf Courses and Country Clubs	4/10/2003	4/10/2028
Defense Distribution Center, Susquehanna - Riverview Golf Course / Defense Distribution Center, Susquehanna - Riverview Golf Course	Fairview Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 06/12/2003	08/15/2027, 08/15/2027
DelGrosso Foods Inc. / DelGrosso Campus - Tipton, PA	Antis Township	PA	CU	Fruit and Vegetable Canning	7/25/2017	7/24/2032
Delta Borough Municipal Authority / Delta Borough Water System	Peach Bottom Township	PA	GW	Water Supply and Irrigation Systems	03/11/1993, 03/14/2007, 06/20/2013	03/11/2023, 03/14/2022, 06/19/2028
Denver Borough / Denver Borough	East Cocalico Township	PA	GW	Water Supply and Irrigation Systems	01/11/1996, 05/03/2018, 12/06/2018	01/11/2021, 05/03/2043, 12/31/2033
Department of Veterans Affairs Medical Center / Department of Veterans Affairs Medical Center	South Lebanon Township	PA	CU	General Medical and Surgical Hospitals	2/6/2003	2/6/2028
DFA Dairy Brands Fluid, LLC / Swiss Premium Dairy	North Cornwall Township	PA	CU	Beverage Manufacturing	06/12/2002, 06/14/2006, 03/10/2011	06/12/2027, 06/12/2027, 06/12/2027
Dillsburg Area Authority / Dillsburg Area Authority	Carroll Township	PA	GW	Water Supply and Irrigation Systems	07/09/1998, 09/12/2007, 12/04/2008, 12/04/2008, 06/15/2018, 09/06/2019	07/09/2023, 09/12/2022, 12/04/2023, 12/04/2023, 12/04/2023, 09/30/2034
Diversified Oil & Gas, LLC / Lundy Well Pad	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/15/2016	3/11/2021

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Diversified Oil & Gas, LLC / Rhodes Well Pad	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/2/2016	1/18/2022
Diversified Oil & Gas, LLC / Stubler Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2018	5/13/2023
Diversified Production LLC / Hurd	Ferguson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
Diversified Production LLC / Longhorn C-1 (WDV1)	Jay Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2015	11/23/2020
Diversified Production LLC / Phoenix C	Duncan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2020	9/3/2025
Diversified Production LLC / Phoenix E	Duncan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2015	8/18/2020
Diversified Production LLC / Phoenix R	Duncan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2015	11/22/2020
Diversified Production LLC / Phoenix S	Duncan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2015	12/6/2020
Diversified Production LLC / Turkey	Huston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2016	7/15/2021
Diversified Production LLC / Whippoorwill	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2015	2/17/2021
Diversified Production LLC / Wilson Creek	Duncan Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/13/2020	3/31/2025
Dover Township / Dover Township	Dover Township	PA	GW	Water Supply and Irrigation Systems	11/14/1991, 11/03/2017, 09/06/2019	11/14/2021, 10/11/2027, 09/30/2034
Downs Racing, L.P. d/b/a Mohegan Sun Pocono / Mohegan Sun Pocono	Plains Township	PA	CU	Racetracks	9/7/2017	9/6/2032
DPS Holdings, Inc. / DPS Holdings, Inc.- Mott's Aspers Plant	Menallen Township	PA	GW,CU	Food Manufacturing	03/10/1994, 08/10/2000, 10/10/2002, 02/08/2001	03/10/2024, 03/10/2024, 02/08/2026
DS Services of America, Inc. / Bethany Children's Home	Heidelberg Township	PA	DIV	Bottled Water Manufacturing	9/4/2014	9/3/2029
DS Services of America, Inc. / DS Services of America, Inc.	Clay Township	PA	GW,CU	Bottled Water Manufacturing	02/10/2000, 06/05/2014, 06/16/2017	02/10/2025, 06/04/2029, 06/15/2032
DuBois, City of / DuBois, City of	Union Township	PA	SW,CU,DIV	Water Supply and Irrigation Systems	03/15/2006, 06/16/2017	03/15/2031, 03/15/2031
Duncannon, Borough of / Duncannon, Borough of	Penn Township	PA	GW	Water Supply and Irrigation Systems	05/09/1991, 09/06/2019	05/09/2021, 09/05/2034
Duncansville Municipal Authority / Duncansville Municipal Authority	Duncansville Borough	PA	NULL	Water Supply and Irrigation Systems	2/26/2019	4/29/2033

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Eagle Rock Community Association / Eagle Rock Resort Co.–Quarry	Black Creek Township	PA	GW,CU,SW	Golf Courses and Country Clubs	10/10/2002, 09/08/2004, 12/05/2006	10/10/2027, 10/10/2027, 10/10/2027
Eagles Crossing, Inc. / Eagles Crossing, Inc.	North Middleton Township	PA	SW,CU	Golf Courses and Country Clubs	12/03/1998, 04/30/2020	12/03/2023, 12/03/2023
Eagles Mere Country Club / Eagles Mere Country Club	Eagles Mere Borough	PA	CU	Golf Courses and Country Clubs	03/20/1997, 02/10/2000, 04/30/2020	03/20/2022, 03/20/2022, 03/20/2022
East Berlin Area Joint Authority / East Berlin Area Joint Authority	Reading Township	PA	GW	Water Supply and Irrigation Systems	09/11/2008, 03/10/2016	09/11/2023, 03/31/2031
East Cocalico Township Authority / East Cocalico Township Authority	East Cocalico Township	PA	GW	Water Supply and Irrigation Systems	07/09/1992, 12/03/1998, 09/09/1999, 10/09/2003, 06/13/2007, 03/10/2016, 12/06/2018	07/09/2022, 12/03/2023, 09/09/2024, 10/09/2028, 06/13/2022, 03/09/2031, 12/31/2033
East Donegal Township Municipal Authority / East Donegal Township Municipal Authority	East Donegal Township	PA	GW	Water Supply and Irrigation Systems	07/08/1999, 03/15/2019	07/08/2024, 03/09/2026
East Hempfield Township / Four Seasons Golf Club	East Hempfield Township	PA	GW,CU	Golf Courses and Country Clubs	05/15/1997, 02/10/2000, 04/30/2020	05/15/2022, 05/15/2022, 05/15/2022
East Hempfield Township Municipal Authority / East Hempfield Township Municipal Authority	East Hempfield Township	PA	GW	Water Supply and Irrigation Systems	03/12/1987, 05/11/1989, 01/14/1993, 09/20/2012	03/12/2017, 05/11/2019, 01/14/2023, 09/19/2027
East Petersburg Borough / East Petersburg Borough Water Authority	East Hempfield Township	PA	NULL	Water Supply and Irrigation Systems	09/16/2016, 02/05/2018	09/16/2041, 02/05/2043
East Resources, Inc. / Fitch 115	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/26/2009, 03/26/2010	NULL
Eclipse Resources-PA, LP / Abplanalp	Westfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	10/6/2020
Eclipse Resources-PA, LP / Cowanesque River	Deerfield Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/6/2023
Eclipse Resources-PA, LP / Painter	Westfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	10/6/2020
Eclipse Resources-PA, LP / Pine Creek - 2	Gaines Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/5/2023

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Edgewood by Sand Springs, LLC / Edgewood by Sand Springs	Butler Township	PA	CU	Golf Courses and Country Clubs	01/15/1998, 02/21/2002, 09/13/2006, 04/30/2020	01/15/2023, 01/15/2023, 01/15/2023, 01/15/2023
Elizabethtown Area Water Authority / Elizabethtown Area Water Authority	Elizabethtown Borough	PA	SW,GW	Water Supply and Irrigation Systems	05/15/1997, 09/08/2016, 09/07/2017, 09/07/2017, 09/07/2018	06/10/2022, 09/30/2031, 09/30/2031, 09/30/2032, 09/30/2033
Elizabethville Area Authority / Elizabethville Area Authority	Washington Township	PA	GW	Water Supply and Irrigation Systems	09/16/1993, 12/03/1998	09/16/2023, 12/03/2023
Elk Mountain Ski Resort, Inc. / Elk Mountain Ski Resort, Inc.	Herrick Township	PA	SW,CU	Skiing Facilities	03/15/2006, 09/06/2019	03/15/2031, 03/15/2031
Elkview Country Club / Elkview Country Club	Greenfield Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 05/29/2020	10/10/2027, 10/10/2027
Elmhurst Country Club / Elmhurst Country Club	Roaring Brook Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 06/14/2006, 05/29/2020	10/10/2027, 10/10/2027, 10/10/2027
Elmira Water Board / Elmira Water Board	Elmira City	NY	GW	Water Supply and Irrigation Systems	11/8/1990	11/8/2020
Emanon Country Club / Emanon Country Club	Northmoreland Township	PA	GW,CU	Golf Courses and Country Clubs	02/06/2003, 04/30/2020	02/06/2028, 02/06/2028
Empire Kosher Poultry, Inc. / Empire Kosher Poultry, Inc.	Walker Township	PA	GW,CU	Turkey Production	08/14/2003, 06/07/2012	08/14/2028, 08/14/2028
Emporium Water Company / Emporium Water Company	Shippen Township	PA	NULL	Water Supply and Irrigation Systems	2/15/2019	2/15/2044
EnCana Oil & Gas (USA) Inc. / Farrell 1H	Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/19/2010	NULL
EnCana Oil & Gas (USA) Inc. / Lansberry Perry 1V	Lehman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	02/26/2010, 02/26/2010	NULL
En-Joie Golf Club / En-Joie Golf Club	Endicott Village	NY	CU	Golf Courses and Country Clubs	3/10/2004	3/10/2029
EOG Resources, Inc. / ASHBY Pad	Athens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	10/31/2023
EOG Resources, Inc. / BEARDSLEE 2H Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2015	8/12/2020
EOG Resources, Inc. / CRANE Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2016	7/8/2023
EOG Resources, Inc. / DEMEO 1H PAD	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	9/30/2020
EOG Resources, Inc. / FAY 1H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	7/8/2021
EOG Resources, Inc. / GRIPPIN A Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2017	10/19/2022

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EOG Resources, Inc. / GROSS 1H Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2015	8/13/2021
EOG Resources, Inc. / GUINAN 2H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
EOG Resources, Inc. / HARKNESS 2H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
EOG Resources, Inc. / HARKNESS 3H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
EOG Resources, Inc. / HOLCOMBE 1H Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/10/2016	7/8/2023
EOG Resources, Inc. / HOPPAUGH 2H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
EOG Resources, Inc. / HOPPAUGH 3H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2015	11/23/2021
EOG Resources, Inc. / Houseknecht 2H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/10/2019	10/10/2024
EOG Resources, Inc. / HOUSER 1H Pad	Burlington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2016	7/8/2023
EOG Resources, Inc. / Housknecht 1H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/10/2019, 12/02/2009	10/10/2024
EOG Resources, Inc. / Housknecht 3H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/10/2019	10/10/2024
EOG Resources, Inc. / JACKSON 1H Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	9/10/2022
EOG Resources, Inc. / JANOWSKY 1H	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	8/10/2020
EOG Resources, Inc. / JENKINS 1H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	4/15/2020
EOG Resources, Inc. / KINGSLEY 2H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	6/23/2020
EOG Resources, Inc. / KINGSLEY 3H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	6/24/2020
EOG Resources, Inc. / KINGSLEY 4H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	8/12/2022
EOG Resources, Inc. / KINGSLY E Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2017	10/19/2022
EOG Resources, Inc. / KLINE A Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2017	10/15/2022
EOG Resources, Inc. / KLINE B Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2017	10/15/2022
EOG Resources, Inc. / LEE 1H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025

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EOG Resources, Inc. / LEE 2H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/29/2014	11/23/2021
EOG Resources, Inc. / LEE 3H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
EOG Resources, Inc. / MELCHIONNE 1H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	8/12/2020
EOG Resources, Inc. / MICCIO 1H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	8/17/2022
EOG Resources, Inc. / NICHOLS 1H Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2015	8/12/2022
EOG Resources, Inc. / NICHOLS 2H Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	7/8/2023
EOG Resources, Inc. / OBERKAMPER Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	9/3/2020
EOG Resources, Inc. / Olsyn 1H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2020
EOG Resources, Inc. / PRUYNE 1H Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2016	10/31/2021
EOG Resources, Inc. / REITER 1H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	8/10/2021
EOG Resources, Inc. / Rightmire 1H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	8/12/2020
EOG Resources, Inc. / RIGHTMIRE 2H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	8/12/2022
EOG Resources, Inc. / SEAMAN 1H Pad	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	8/12/2020
EOG Resources, Inc. / STAHL 1H Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/10/2016	7/8/2021
EOG Resources, Inc. / STURDEVANT 1H	Ridgebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	8/26/2020
EOG Resources, Inc. / TYLER Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	8/26/2022
EOG Resources, Inc. / WALLACE Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2016	10/31/2023
EOG Resources, Inc. / WARD B Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2017	10/15/2022
EOG Resources, Inc. / Ward M 1H	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/10/2019, 12/02/2009	10/10/2024
EOG Resources, Inc. / WENGER Pad	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	8/16/2020
EOG Resources, Inc. / WOLFE B Pad	Athens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/6/2017	3/12/2022

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EOG Resources, Inc. / WOLFE Pad	Smithfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2016	10/31/2021
Ephrata, Borough of / Ephrata Area Joint Authority	Ephrata Borough	PA	SW,GW	Water Supply and Irrigation Systems	03/09/1989, 07/14/1994, 09/08/2004, 09/15/2011, 12/15/2011, 06/16/2017	04/05/2039, 07/14/2024, 09/08/2029, 09/14/2026, 09/14/2026
Epsilon Energy USA, Inc / Devine Ridge Pad	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/15/2019	7/15/2024
Epsilon Energy USA, Inc / East Branch Wyalusing Creek	Rush Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/13/2024
Erwin, Town of / Erwin, Town of	Erwin Town	NY	GW	Water Supply and Irrigation Systems	05/13/1999, 12/14/2005, 06/13/2007, 09/12/2007, 09/19/2013	05/13/2024, 05/13/2024, 06/13/2022, 06/13/2022, 09/18/2028
Essential Power Rock Springs LLC / Rock Springs Generation Facility	Oakwood District	MD	SW,CU	Electric Power Generation	12/14/2000, 01/10/2017	12/14/2025, 12/14/2025
EXCO Resources (PA), LLC / Arthur Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	3/17/2021
EXCO Resources (PA), LLC / Barto Unit #1H, #2H	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
EXCO Resources (PA), LLC / Bower Unit #1H Drilling Pad	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2020	1/22/2025
EXCO Resources (PA), LLC / Budman Well Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/23/2017	1/11/2023
EXCO Resources (PA), LLC / Cadwalader Pad	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/8/2016	3/24/2021
EXCO Resources (PA), LLC / Chaapel Hollow Unit	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2018	5/31/2023
EXCO Resources (PA), LLC / Confer (Pad 32)	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2020	8/28/2025
EXCO Resources (PA), LLC / COP Tract 706 (Pad 8)	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/3/2015	8/10/2020
EXCO Resources (PA), LLC / COP Tract 727 (Pad 3)	Gallagher Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/15/2017	11/28/2022
EXCO Resources (PA), LLC / Dale Bower Drilling Pad #1	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2015	2/15/2022
EXCO Resources (PA), LLC / Dale Bower East Unit Pad	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/17/2017	2/13/2023

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EXCO Resources (PA), LLC / DCNR Tract 323 Pad-2	Pine Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2016	12/1/2020
EXCO Resources (PA), LLC / Doebler Drilling Pad #1	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	12/20/2020
EXCO Resources (PA), LLC / Edkin Hill Unit	Shrewsbury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/8/2014	12/8/2021
EXCO Resources (PA), LLC / Emig Drilling Pad #1	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2015	4/29/2022
EXCO Resources (PA), LLC / Falk Unit #1H	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
EXCO Resources (PA), LLC / Farnsworth Unit 1H Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2016	11/30/2022
EXCO Resources (PA), LLC / Flook Drilling Pad #1	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/16/2015	5/5/2022
EXCO Resources (PA), LLC / Fulmer Drilling Pad #1	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	6/6/2022
EXCO Resources (PA), LLC / Houseknecht Drilling Pad #1	Davidson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	12/9/2020
EXCO Resources (PA), LLC / Kensinger 3H Drilling Pad #1	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2020	5/11/2025
EXCO Resources (PA), LLC / Kensinger Unit Drilling Pad #1	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
EXCO Resources (PA), LLC / Litke (14H, 15H, 16H)	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
EXCO Resources (PA), LLC / Litke (7H & 8H)	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	08/19/2019, 03/05/2010	8/19/2024
EXCO Resources (PA), LLC / Litke 1H, 2H	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
EXCO Resources (PA), LLC / Maguire Unit Drilling Pad #1	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
EXCO Resources (PA), LLC / Myers Drilling Pad #1	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/31/2015	4/12/2022
EXCO Resources (PA), LLC / Patterson Drilling Pad #1	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/25/2015	1/10/2022
EXCO Resources (PA), LLC / Poor Shot East Drilling Pad #2	Lycoming Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2015	6/22/2022
EXCO Resources (PA), LLC / Poor Shot East Unit Drilling Pad #1	Anthony Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/31/2015	10/5/2021
EXCO Resources (PA), LLC / Poor Shot Pad 2 Unit	Anthony Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2018	9/11/2023
EXCO Resources (PA), LLC / Poor Shot Unit Drilling Pad #1	Anthony Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025

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EXCO Resources (PA), LLC / Spotts Unit Drilling Pad #1	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
EXCO Resources (PA), LLC / Stroble Unit Drilling Pad #1	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
EXCO Resources (PA), LLC / Taylor (Pad 33)	Burnside Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	6/3/2022
EXCO Resources (PA), LLC / Warburton Unit #1H Drilling Pad	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2020	1/28/2025
EXCO Resources (PA), LLC / Warner Drilling Pad #1	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2020	6/9/2025
EXCO Resources (PA), LLC / Warner North Unit Pad	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/14/2017	2/6/2023
EXCO Resources (PA), LLC / Wistar-Shaffer Tracts Drilling Pad #1	Shrewsbury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	9/16/2020
EXCO Resources (PA), LLC / Zinck Unit # 1 Pad	Watson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
Exelon Generation Company, LLC / Muddy Run Pumped Storage Project	Drumore Township	PA	SW	Hydroelectric Power Generation	12/8/2016	12/22/2055
Exelon Generation Company, LLC / Peach Bottom Atomic Power Station	Drumore Township	PA	SW,CU	Electric Power Generation	12/05/2006, 06/23/2011	07/03/2034, 07/03/2034
Exelon Generation Company, LLC / Three Mile Island Generating Station	Londonderry Township	PA	SW,CU	Electric Power Generation	6/23/2011	11/26/2021
Fairchild Semiconductor / Fairchild Semiconductor	Wright Township	PA	GW,CU	Semiconductor and Other Electronic Component Manufacturing	3/10/2004	3/10/2029
Fairview Golf Course, Inc. / Fairview Golf Course	West Cornwall Township	PA	CU	Golf Courses and Country Clubs	8/15/2002	8/15/2027
Farmers Pride, Inc. dba Bell & Evans / Bell & Evans Main Plant	Bethel Township	PA	GW	Poultry Processing	3/15/2019	3/31/2034
Federal Bureau of Prisons / Federal Correctional Institution at Loretto	Allegheny Township	PA	GW	Water Supply and Irrigation Systems	10/11/2001	10/11/2026
First Quality Tissue, L.L.C. / First Quality Tissue, LLC	Castanea Township	PA	SW,CU	Bottled Water Manufacturing	3/13/2008	3/13/2023
Flatbush Golf Course, Inc. / Flatbush Golf Course	Mount Pleasant Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 04/30/2020	10/10/2027, 10/10/2027
Fox Hill Country Club / Fox Hill Country Club	Exeter Borough	PA	CU	Golf Courses and Country Clubs	06/12/2002, 12/06/2018	06/12/2027, 06/12/2027
Fox Ledge, Inc. / Orson Property	Preston Township	PA	CU	Bottled Water Manufacturing	9/14/2005	9/14/2030
Fox Ledge, Inc. / White Property	Clifford Township	PA	CU	Bottled Water Manufacturing	8/14/2003	8/14/2028
Franklin County General Authority	Letterkenny Township	PA	SW,CU	Water Supply and Irrigation Systems	7/8/1999	1/3/2024
Fredericksburg Sewer and Water Authority / Fredericksburg Sewer and Water Authority	Bethel Township	PA	GW	Water Supply and Irrigation Systems	03/15/2006, 09/11/2017	03/15/2031, 10/14/2019

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Freedom Township Water & Sewer Authority	Allegheny Township	PA	NULL	Water Supply and Irrigation Systems	9/27/2004	9/27/2029
Frontier Natural Resources, Inc. / Winner 1	West Keating Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2016	1/26/2021
Frontier Natural Resources, Inc. / Winner 4H	West Keating Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	9/23/2020
Frontier Natural Resources, Inc. / Winner 6 Well Pad	East Keating Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2011	10/31/2016
Frosty Valley Resort, LLC / Frosty Valley Resort, LLC	Mahoning Township	PA	CU	Golf Courses and Country Clubs	04/11/2002, 05/29/2020	04/11/2027, 04/11/2027
Furman Foods, Inc. / Furman Foods, Inc.	Point Township	PA	GW, CU	Fruit and Vegetable Canning	07/14/1994, 06/07/2012, 06/20/2018, 06/20/2013, 06/20/2018, 06/04/2015, 03/10/2016	07/14/2024, 06/06/2027, 06/06/2027, 06/19/2028, 06/19/2028, 06/03/2030, 03/31/2031
Galen Hall Holding Corp. / Galen Hall Country Club, Inc.	South Heidelberg Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 05/29/2020	10/10/2027, 10/10/2027
Galeton Borough Water Authority / Galeton Borough Authority	West Branch Township	PA	GW	Water Supply and Irrigation Systems	12/13/2001, 09/28/2012	12/13/2026, 09/28/2037
Gallitzin Water Authority	Gallitzin Township	PA	SW, GW	Water Supply and Irrigation Systems	03/08/1990, 04/12/2001	04/11/2040, 04/12/2026
Geisinger Health System / Geisinger Health System	Mahoning Township	PA	GW, CU	General Medical and Surgical Hospitals	01/17/1991, 04/11/2002, 04/10/2003, 09/08/2016	01/17/2021, 01/17/2021, 01/17/2021, 01/17/2021
Genegantslet Golf Club	Greene Town	NY	SW, CU	Golf Courses and Country Clubs	6/12/2003	6/12/2028
Geneva Farm Golf Course, Inc. / Geneva Farm Golf Club	Dublin District	MD	CU	Golf Courses and Country Clubs	01/17/1991, 02/10/2000	01/17/2021, 01/17/2021
Gettysburg Municipal Authority / Hunterstown Wastewater Treatment Plant	Straban Township	PA	DIV	Sewage Treatment Facilities	09/16/2010, 12/12/2013	09/15/2025, 09/15/2025
Gilberton Power Company / Gilberton Power Company	Gilberton Borough	PA	CU, DIV	Electric Power Generation	12/08/2016, 12/08/2016	12/31/2031, 12/07/2031
Glen Oak Country Club / Glen Oak Country Club	Abington Township	PA	GW, CU	Golf Courses and Country Clubs	10/10/2002, 04/30/2020	10/10/2027, 10/10/2027
Glen Rock Water Authority / Glen Rock Water Authority	Glen Rock Borough	PA	NULL	Water Supply and Irrigation Systems	8/4/2016	8/3/2041
Glen-Gery Corp. / Glen-Gery Corporation	Spring Garden Township	PA	CU	Concrete Block and Brick Manufacturing	6/12/2003	6/12/2028
Glenmaura National Golf Club / Glenmaura National Golf Club	Moosic Borough	PA	CU	Golf Courses and Country Clubs	8/15/2002	8/15/2027

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Glenn O. Hawbaker, Inc. / Greens Landing Aggregate Plant	Athens Township	PA	SW,CU	Stone Mining and Quarrying	12/15/2011	12/14/2026
Glenn O. Hawbaker, Inc. / Pleasant Gap Facility	Spring Township	PA	CU,GW	Mining	03/29/2005, 06/13/2007, 12/05/2007, 06/12/2020	03/29/2030, 03/29/2030, 03/29/2030, 03/29/2030
Global Tungsten & Powders Corp. / Global Tungsten & Powders Corp.	North Towanda Township	PA	CU,GW	Audio and Video Equipment Manufacturing	03/12/2009, 09/19/2013	03/12/2024, 09/18/2028
GLP Capital, L.P. / Penn National Horse Racing and Casino	East Hanover Township	PA	CU,GW	Racetracks	08/15/2002, 12/05/2007, 03/13/2008	08/15/2027, 08/15/2027, 08/15/2027
Golf Enterprises, Inc., d.b.a. Valley Green Golf Course / Golf Enterprises, Inc., d.b.a. Valley Green Golf Course	Newberry Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 12/20/2018, 04/30/2020	10/10/2027, 10/10/2027, 10/10/2027
Graymont (PA) Inc. / Pleasant Gap Facility	Spring Township	PA	GW,CU	Crushed and Broken Limestone Mining and Quarrying	03/18/2010, 12/05/2019	03/17/2025, 03/29/2030
Greek Peak Holdings, LLC / Greek Peak Mountain Resort	Virgil Town	NY	SW,CU	Skiing Facilities	8/9/2001	8/9/2026
Green Leaf Water LLC / Lycoming Creek	Lewis Township	PA	SW	Crude Petroleum and Natural Gas Extraction	06/16/2016, 09/18/2020	06/30/2020, 09/30/2025
Greene, Village of / Greene, Village of	Greene Village	NY	GW	Water Supply and Irrigation Systems	3/20/1997	9/18/2021
Greylock Production, LLC / Coldstream Affiliates #1MH	Goshen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	7/16/2020
Greylock Production, LLC / Coldstream Affiliates B	Goshen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/13/2016	10/25/2021
Greylock Production, LLC / COP 324 A	Girard Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/24/2017	8/10/2022
Greylock Production, LLC / Whitetail #1-5MH	Goshen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	8/16/2020
Greylock Production, LLC / Whitetail Gun & Rod Club #1	Goshen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Guilford Water Authority	Letterkenny Township	PA	NULL	Water Supply and Irrigation Systems	3/10/2004	7/26/2024
Halifax Area Water and Sewer Authority / Halifax Area Water and Sewer Authority	Halifax Township	PA	SW	Water Supply and Irrigation Systems	5/13/1993	5/28/2018
Hamilton, Village of / Hamilton, Village of	Hamilton Town	NY	GW	Water Supply and Irrigation Systems	11/20/1987, 05/14/1992, 07/10/1997	11/20/2017, 11/20/2017, 07/10/2022
Hampden Township / Armitage Golf Club	Hampden Township	PA	CU	Golf Courses and Country Clubs	01/23/1992, 02/10/2000, 10/11/2001, 04/30/2020	01/23/2022, 01/23/2022, 01/23/2022, 01/23/2022

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Hanover Country Club / Hanover Country Club	Paradise Township	PA	CU	Golf Courses and Country Clubs	3/15/2019	8/15/2027
Hanover Foods Corporation / Hanover Foods Corporation	Heidelberg Township	PA	GW,CU	Food Manufacturing	05/21/1998, 11/04/1999, 08/10/2000, 08/14/2003	05/21/2023, 11/04/2024, 11/04/2024, 08/14/2028
Hanson Aggregates Pennsylvania, LLC / Oak Hall Quarry	College Township	PA	CU	Stone Mining and Quarrying	09/08/2004, 05/29/2020	09/08/2029, 09/08/2029
Hardinge Inc. / Hardinge Inc.	Horseheads Town	NY	GW	Cutlery and Handtool Manufacturing	03/08/1990, 05/14/1992	03/08/2020, 03/08/2020
Harley-Davidson Motor Company Operations, Inc. / York Plant	Springettsbury Township	PA	GW	Motorcycle, Bicycle, and Parts Manufacturing	09/23/1998, 03/18/2010	09/23/2023, 09/23/2023
Harrisburg Authority / The-PWS	Rush Township	PA	SW	Water Supply and Irrigation Systems	5/12/1994	7/5/2011
Hazleton City Authority / Hazleton City Authority - Hazleton Division	Hazle Township	PA	GW	Water Supply and Irrigation Systems	12/5/2019	12/4/2034
Hazleton Creek Properties, LLC / Hazleton Mine Reclamation	Hazleton City	PA	GW,CU	Remediation and Other Waste Management Services	03/10/2011, 09/15/2011, 12/15/2011	03/09/2026, 03/09/2026, 03/09/2026
Hazleton Water Company, Inc. / Hazleton Area Water Company, Inc.	Sugarloaf Township	PA	CU	Bottled Water Manufacturing	6/9/2004	6/9/2029
Healthy Properties, Inc. / Sugar Creek	North Towanda Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Hegins-Hubley Authority / Hegins-Hubley Authority	Hegins Township	PA	GW	Water Supply and Irrigation Systems	12/03/1998, 02/21/2002, 12/15/2004	12/03/2023, 12/03/2023, 12/15/2029
Heidelberg Township / Heidelberg Township	Heidelberg Township	PA	GW	Water Supply and Irrigation Systems	12/5/2014	12/31/2029
Helix Ironwood, LLC / Ironwood Generating Station	South Lebanon Township	PA	SW,CU,GW	Electric Power Generation	05/21/1998, 06/13/2007	05/21/2023, 05/21/2023
Henkel US Operations Corporation / West Hazleton	West Hazleton Borough	PA	CU	Soap and Other Detergent Manufacturing	2/14/2020	3/31/2035
Heritage Hills Golf Resort & Conference Center / Heritage Hills Golf Resort	York Township	PA	CU	Golf Courses and Country Clubs	08/09/2001, 04/10/2003, 06/14/2006, 04/30/2020	08/09/2026, 08/09/2026, 08/09/2026, 08/09/2026
Hershey Company, The / H. B. Reese Company - Division of The Hershey Company	Derry Township	PA	GW,CU	Food Manufacturing	12/13/2001, 06/12/2003	12/13/2026, 12/13/2026
Hershey Company, The / Hazleton Plant	Hazle Township	PA	CU	Chocolate and Confectionery Manufacturing from Cacao Beans	12/6/2018	12/5/2033
Hershey Company, The / West Hershey, PA Plant	Derry Township	PA	CU	Chocolate and Confectionery Manufacturing from Cacao Beans	6/17/2016	6/16/2031

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Hershey Company, The / Y&S Candies	East Hempfield Township	PA	CU	Sugar and Confectionery Product Manufacturing	07/11/1991, 08/10/2000	07/11/2021, 07/11/2021
Hershey Creamery Company / Hershey Creamery Company	Harrisburg City	PA	CU	Food Manufacturing	2/21/2002	2/21/2027
Hershey Entertainment & Resorts Company / HERCO–Hersheypark Sports Entertainment Complex	Derry Township	PA	GW,CU	Amusement and Theme Parks	12/15/2004, 06/14/2006	12/15/2029, 12/15/2029
Hershey Entertainment & Resorts Company / Spring Creek Golf Course	Derry Township	PA	SW,CU	Golf Courses and Country Clubs	6/12/2008	6/12/2023
Hickory Heights Golf Club, LLC / Hickory Heights Golf Club	North Codorus Township	PA	CU	Golf Courses and Country Clubs	12/13/2001, 04/30/2020	12/13/2026, 12/13/2026
Hidden Valley Country Club / Hidden Valley Country Club	Wayne Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 05/12/2020	08/15/2027, 08/15/2027
High Company LLC / High Concrete Group LLC	East Cocalico Township	PA	CU	Cement and Concrete Product Manufacturing	2/21/2002	2/21/2027
Highlands of Donegal LLC / Highlands of Donegal LLC	East Donegal Township	PA	SW,CU	Golf Courses and Country Clubs	02/21/2002, 04/30/2020	02/21/2027, 02/21/2027
Hollidaysburg Borough Authority / Hollidaysburg Borough Authority	Juniata Township	PA	NULL	Water Supply and Irrigation Systems	2/19/2019	4/29/2033
Horseheads, Village of / Horseheads, Village of	Horseheads Town	NY	GW	Water Supply and Irrigation Systems	3/12/1987	3/12/2017
Houtzdale Municipal Authority / Houtzdale Municipal Authority	Rush Township	PA	GW	Water Supply and Irrigation Systems	01/12/1995, 12/08/2017, 08/29/2018	01/12/2025, 12/07/2032, 08/28/2043
Hughesville Borough Authority / Hughesville Borough Authority	Wolf Township	PA	GW	Water Supply and Irrigation Systems	6/13/2007	6/13/2022
Hunlock Energy, LLC / Hunlock Creek Unit - 4	Hunlock Township	PA	CU	Electric Power Generation	3/9/2010	3/9/2025
Hydrage, LLC / Hydrage, LLC - Brandonville	East Union Township	PA	GW,CU	Bottled Water Manufacturing	6/13/2007	6/13/2022
Hydro Recovery, LP / Blossburg	Blossburg Borough	PA	GW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/30/2034
Hydro Recovery-Antrim LP / Antrim Treatment Plant	Duncan Township	PA	SW,CU	Crude Petroleum and Natural Gas Extraction	09/10/2009, 09/20/2012, 03/21/2013	10/31/2021, 10/31/2021, 10/31/2021
IBM Corporation / IBM Corp.–Endicott	Endicott Village	NY	GW	Computer and Electronic Product Manufacturing	03/12/2009, 03/15/2012	03/12/2024, 03/12/2024
IBM Corporation / IBM Corp.–Owego	Owego Town	NY	GW	Computer and Electronic Product Manufacturing	12/5/2014	12/4/2029
Independent Water Solutions, LLC / Susquehanna River	Great Bend Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/16/2017	6/30/2022

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Indian Hills Golf and Tennis Club / Indian Hills Golf and Tennis Club	Shamokin Township	PA	GW,CU	Golf Courses and Country Clubs	05/21/1998, 04/18/2000, 05/12/2020	05/21/2023, 05/21/2023, 05/21/2023
Indian Trail Mountain Spring Water	Gratz Borough	PA	CU	Bottled Water Manufacturing	12/14/2000	12/14/2025
Inflection Energy (PA) LLC / Bennett Well Pad	Eldred Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2018	10/19/2023
Inflection Energy (PA) LLC / Brass Well Site	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/21/2018	2/21/2023
Inflection Energy (PA) LLC / Converse Well Site	Mill Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/20/2017	7/20/2022
Inflection Energy (PA) LLC / Eichenlaub B Pad	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2017	6/29/2022
Inflection Energy (PA) LLC / Fox B Well Site	Shrewsbury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/7/2022
Inflection Energy (PA) LLC / Hamilton Well Site	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Inflection Energy (PA) LLC / Hannan Well Site	Hepburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Inflection Energy (PA) LLC / Hensler Well Site	Hepburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/22/2015	6/22/2020
Inflection Energy (PA) LLC / Hillegas Well Pad	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/11/2018	8/30/2023
Inflection Energy (PA) LLC / Loyalsock Creek	Upper Fairfield Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/30/2023
Inflection Energy (PA) LLC / Nature Boy	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2017	11/30/2021
Inflection Energy (PA) LLC / Nature Boy East	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2016	3/13/2022
Inflection Energy (PA) LLC / Reitz Well Pad	Eldred Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
Inflection Energy (PA) LLC / Reynolds Well Site	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/2/2019	8/2/2024
Inflection Energy (PA) LLC / Strouse Well Pad	Hepburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/6/2020	8/6/2025
Inflection Energy (PA) LLC / Stunner	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2016	11/30/2021
Inflection Energy (PA) LLC / TLC Pad	Eldred Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Inflection Energy (PA) LLC / Ultimate Warrior	Upper Fairfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2016	11/30/2021
Inflection Energy (PA) LLC / Winter Well Site	Eldred Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2020	3/30/2025

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Intermountain Management Inc. / Labrador Mountain	Truxton Town	NY	SW,CU	Skiing Facilities	8/14/2003	8/14/2028
Irem Temple Golf Club / Irem Temple Golf Club	Dallas Township	PA	CU	Golf Courses and Country Clubs	04/11/2002, 05/12/2020	04/11/2027, 04/11/2027
Iron Masters Country Club / Iron Masters Country Club	Bloomfield Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 05/29/2020	08/15/2027, 08/15/2027
Jay Township Water Authority / Jay Township Water Authority	Jay Township	PA	SW,GW	Water Supply and Irrigation Systems	03/14/1996, 12/05/2014	03/22/2021, 12/04/2029
Jefferson Township Sewer Authority / Jefferson Township Sewer Authority	Dunmore Borough	PA	SW,CU	Water Supply and Irrigation Systems	12/14/2000	12/14/2025
JELD-WEN, Inc. / JELD-WEN, Inc., Fiber Division - PA	Wysox Township	PA	GW	Reconstituted Wood Product Manufacturing	9/10/2015	9/9/2030
Jersey Shore Area Joint Water Authority	Anthony Township	PA	SW	Water Supply and Irrigation Systems	11/13/1986	12/8/2036
JKLM Energy, LLC / Goodwin and Son's Sand and Gravel Quarry	Roulette Township	PA	DIV	Crude Petroleum and Natural Gas Extraction	12/8/2016	12/7/2020
JKLM Energy, LLC / Greisemer 171	Hector Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2019	4/22/2024
JKLM Energy, LLC / Headwaters 141	Ulysses Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2019	3/25/2024
JKLM Energy, LLC / Headwaters 142	Ulysses Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/31/2017	3/31/2022
JKLM Energy, LLC / Headwaters 143	Ulysses Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/15/2016	4/15/2021
JKLM Energy, LLC / Headwaters 145	Ulysses Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/9/2016	8/9/2021
JKLM Energy, LLC / Headwaters 146	Ulysses Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/27/2018	3/27/2023
JKLM Energy, LLC / Judson Hollow 302	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2018	2/9/2023
JKT Golf LLC / Four Seasons Golf Club – Exeter	Exeter Borough	PA	CU	Golf Courses and Country Clubs	8/15/2002	8/15/2027
Johnson & Johnson / Johnson & Johnson Consumer, Inc.	Lititz Borough	PA	CU	Pharmaceutical and Medicine Manufacturing	8/3/2010	8/3/2025
Juniata College	Huntingdon Borough	PA	CU	Colleges, Universities, and Professional Schools	10/9/2003	10/9/2028
KBK-HR Associates, LLC / Honey Run Golf Club	Dover Township	PA	CU,SW	Golf Courses and Country Clubs	12/04/2008, 04/30/2020, 12/04/2008, 12/04/2008	12/04/2023, 12/04/2023, 12/04/2023, 12/04/2023
Kellogg Company / Kellogg's USA, Inc.	East Hempfield Township	PA	CU	Food Manufacturing	11/14/1991, 07/08/1999	11/14/2021, 11/14/2021

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Keystone Clearwater Solutions, LLC / Lycoming Creek	Lewis Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/14/2019	6/30/2024
Keystone Landfill, Inc. / Keystone Landfill, Inc.	Dunmore Borough	PA	CU,GW	Solid Waste Landfill	06/12/2008, 03/15/2012	06/12/2023, 06/12/2023
Kirkwood, Town of / Kirkwood, Town of	Kirkwood Town	NY	GW	Water Supply and Irrigation Systems	3/12/1992	3/12/2022
Kline Township Municipal Authority / Kline Township Municipal Authority	Kline Township	PA	GW	Water Supply and Irrigation Systems	6/14/2001	6/14/2026
Knight Settlement Sand & Gravel, LLC / Knight Settlement Sand & Gravel, LLC	Bath Town	NY	CU	Construction Sand and Gravel Mining	03/15/2006, 12/05/2006, 06/12/2020	03/15/2031, 03/15/2031, 03/15/2031
Knouse Foods Cooperative, Inc. / Gardners Plant	Menallen Township	PA	CU	Food Manufacturing	12/15/2004	12/15/2029
Knouse Foods Cooperative, Inc. / Peach Glen Plant	Dickinson Township	PA	CU	Food Manufacturing	9/8/2004	9/8/2029
Koppers Inc. / Koppers Inc.	Clinton Township	PA	GW,CU	Rail Transportation	02/11/1988, 01/18/1990, 03/10/2004, 06/14/2006	01/18/2020, 01/18/2020, 01/18/2020, 01/18/2020
Kunzler & Company, Inc. / Kunzler & Company, Inc.	Lancaster City	PA	CU	Meat Processed from Carcasses	12/11/2003	12/11/2028
Lackawanna Energy Center LLC / Lackawanna Energy Center LLC	Jessup Borough	PA	CU	Electric Power Generation	10/23/2015	10/23/2030
Lake Meade Municipal Authority / Lake Meade Municipal Authority	Reading Township	PA	GW	Water Supply and Irrigation Systems	9/18/2020	9/17/2035
Lancaster Country Club (The) / Lancaster Country Club (The)	Manheim Township	PA	SW,CU	Golf Courses and Country Clubs	06/08/2005, 06/12/2020	06/08/2030, 06/08/2030
Lancaster County Solid Waste Management Authority / Frey Farm and Creswell Landfills	Manor Township	PA	GW,CU	Solid Waste Landfill	12/05/2006, 03/14/2007, 05/12/2020	12/05/2031, 12/05/2031, 12/05/2031
Lancaster County Solid Waste Management Authority / Solid Waste Resource Recovery Facility	Conoy Township	PA	CU	Electric Power Generation	9/7/2018	9/30/2033
Lancaster County Solid Waste Management Authority / Susquehanna Resource Management Complex	Harrisburg City	PA	CU	Solid Waste Combustors and Incinerators	9/4/2014	9/30/2029
Lancaster Leaf Tobacco Co. of PA, Inc. / Lancaster Leaf Tobacco Co. of PA, Inc.	Lancaster City	PA	CU	Tobacco Product Manufacturing	12/12/2002	12/12/2027
Lancaster, City of / Lancaster, City of	West Hempfield Township	PA	NULL	Water Supply and Irrigation Systems	12/11/2013	12/10/2016
LC Noon Group, LLC (The) / Lost Creek Golf Course	Fayette Township	PA	SW,CU	Golf Courses and Country Clubs	06/12/2002, 05/12/2020	06/12/2027, 06/12/2027

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LDG Innovation, LLC / Tioga River	Lawrenceville Borough	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Lear Corporation / Guilford Mills, Inc. / Guilford Mills, Inc.–Penn Dye and Finishing Plant	Pine Grove Borough	PA	GW,CU	Paint and Coating Manufacturing	05/12/1994, 06/08/2000	05/12/2024, 05/12/2024
Lebanon Valley College / Lebanon Valley College	Annville Township	PA	CU	Colleges, Universities, and Professional Schools	4/10/2003	4/10/2028
Lewistown Borough Municipal Authority / Lewistown Borough Municipal Authority	Union Township	PA	SW	Water Supply and Irrigation Systems	03/14/1991, 09/02/1993	03/21/2016, 03/21/2016
Lewistown Country Club / Lewistown Country Club	Grantville Township	PA	SW,CU	Golf Courses and Country Clubs	06/12/2002, 05/12/2020	06/12/2027, 06/12/2027
LHP Management Company, LLC / Fishing Creek (Clinton Country Club)	Bald Eagle Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/8/2017	12/31/2022
Linde Corporation / Lackawanna River	Fell Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
Lion Brewery, Inc. / The Lion Brewery, Inc.	Wilkes-Barre City	PA	CU	Breweries	12/15/2014	12/15/2029
Lititz, Borough of / Lititz, Borough of	Warwick Township	PA	GW	Water Supply and Irrigation Systems	12/15/2004	12/15/2029
Lock Haven, City of / Lock Haven, City of	Wayne Township	PA	NULL	Water Supply and Irrigation Systems	6/26/2013	6/26/2038
Log Cabin Springs / Log Cabin Springs	Pine Grove Township	PA	GW,SW,CU	Bottled Water Manufacturing	2/21/2002	2/21/2027
Londonderry Township / Sunset Golf Course / Sunset Golf Course	Londonderry Township	PA	GW,CU	Golf Courses and Country Clubs	06/14/2019, 06/14/2019, 05/12/2020	06/13/2034, 05/13/2024, 05/13/2024
LPR Energy, LLC / Davis Drilling Pad #1	West St. Clair Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/12/2015	7/21/2020
LPR Energy, LLC / Hodge Unit Drilling Pad #1	Juniata Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
LPR Energy, LLC / Hutton Unit #1H	Chest Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2020	2/20/2025
LPR Energy, LLC / Lightner Drilling Pad #1	Juniata Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/12/2015	7/15/2020
LPR Energy, LLC / Lightner East Drilling Pad #1	Juniata Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/12/2015	9/21/2020
LPR Energy, LLC / Lytle Unit Drilling Pad #1H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2020	2/20/2025
LPR Energy, LLC / Ritchey Unit Drilling Pad	Juniata Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
LPR Energy, LLC / Shannon Land & Mining Drilling Pad #1	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2015	6/9/2020
LPR Energy, LLC / Smithmyer Drilling Pad #1	Clearfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2015	1/21/2021

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LPR Energy, LLC / Snow Shoe 2	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2015	11/1/2020
LPR Energy, LLC / Snow Shoe 4	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2015	11/16/2020
LSC Communications US, LLC / Lancaster East Plant	Lancaster City	PA	CU	Other Commercial Printing	07/11/1991, 05/21/1998	05/21/2023, 05/21/2023
LSC Communications US, LLC / Lancaster West Plant	Lancaster City	PA	GW,CU	Other Commercial Printing	07/11/1991, 10/11/2001, 03/21/2013	07/11/2021, 07/11/2021, 07/11/2021
Lucky Bear, LLC / Liberty Forge Golf Course	Lower Allen Township	PA	SW,CU	Golf Courses and Country Clubs	09/23/1998, 04/10/2003, 05/12/2020	09/23/2023, 09/23/2023, 09/23/2023
Lycoming County Recreation Authority / White Deer Golf Courses	Clinton Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 05/29/2020	08/15/2027, 08/15/2027
Lycoming County Water and Sewer Authority / Lycoming County Water and Sewer Authority	Fairfield Township	PA	GW	Water Supply and Irrigation Systems	12/16/2013, 09/10/2015, 12/08/2016	12/15/2038, 09/09/2030, 12/07/2031
Lycoming Engines, a Division of Avco Corporation / Lycoming Engines	Williamsport City	PA	GW	Engine, Turbine, and Power Transmission Equipment Manufacturing	6/15/2018	6/30/2048
Lycoming, County of - Lycoming County Resource Management Services / Lycoming, County of - Lycoming County Resource Management Services	Brady Township	PA	CU	Solid Waste Landfill	03/14/2007, 05/12/2020	03/14/2022, 03/14/2022
Lykens Borough Authority / Lykens Borough Authority	Jackson Township	PA	SW	Water Supply and Irrigation Systems	9/10/1992	8/13/2017
Lykens Valley Golf Course & Resort, Inc / Lykens Valley Golf Course & Resort, Inc	Upper Paxton Township	PA	SW,CU	Golf Courses and Country Clubs	06/12/2008, 05/12/2020	06/12/2023, 06/12/2023
M4 Energy LLC / Triana-Young Pad A	Hector Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/23/2015	6/22/2020
Mahanoy Township Authority / Mahanoy Township Authority	Mahanoy Township	PA	SW	Water Supply and Irrigation Systems	9/16/1993	11/16/2018
Maitland Investment Corporation / South Hills Golf Club	Penn Township	PA	CU	Golf Courses and Country Clubs	06/12/2002, 05/12/2020	06/12/2027, 06/12/2027
Manada Golf Club, Inc. / Manada Golf Club	East Hanover Township	PA	GW,CU	Golf Courses and Country Clubs	12/05/2019, 05/12/2020	06/12/2027, 06/12/2027
Manheim Area Water & Sewer Authority / Manheim Area Water & Sewer Authority	Manheim Borough	PA	GW	Water Supply and Irrigation Systems	09/13/2006, 03/06/2014	09/13/2031, 03/31/2029
Manheim, Township of / Overlook Community Campus and Golf Course	Manheim Township	PA	CU,GW	Nature Parks and Other Similar Institutions	08/15/2002, 12/05/2006, 05/12/2020	08/15/2027, 08/15/2027, 08/15/2027

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Mansfield, Borough of (Municipal Authority of the) / Mansfield Borough Municipal Authority	Richmond Township	PA	GW	Water Supply and Irrigation Systems	07/14/1994, 09/13/2006, 06/20/2013	07/14/2024, 09/13/2031, 06/19/2028
Maple Moor, Inc. / Huntsville Golf Club	Lehman Township	PA	CU,SW	Golf Courses and Country Clubs	09/10/1992, 03/11/1993, 02/10/2000, 10/05/2000, 04/30/2020	09/10/2022, 09/10/2022, 09/10/2022, 09/10/2022, 09/10/2022
Marathon, Village of	Marathon Village	NY	GW	Water Supply and Irrigation Systems	12/14/2005	12/14/2030
MARS, Incorporated / Mars Wrigley Confectionery US, LLC	Elizabethtown Borough	PA	CU	Sugar and Confectionery Product Manufacturing	3/15/2019	8/9/2026
Marshland Links, LLC / Marshland Links, LLC - The Links at Hiawatha Landing	Owego Town	NY	SW,CU	Golf Courses and Country Clubs	02/06/2003, 05/12/2020	02/06/2028, 02/06/2028
Martinsburg Municipal Authority / Martinsburg Municipal Authority	Martinsburg Borough	PA	GW	Water Supply and Irrigation Systems	12/8/2017	12/31/2032
Masonic Village at Elizabethtown / Masonic Village at Elizabethtown	West Donegal Township	PA	GW,CU	Continuing Care Retirement Communities	08/14/2003, 12/06/2018	08/14/2028, 08/14/2028
Matchplay Management, Inc. / Skytop Mountain Golf Club	Huston Township	PA	SW,CU	Golf Courses and Country Clubs	08/15/2002, 05/29/2020	08/15/2027, 08/15/2027
Mayapple Real Estate Holdings / Mayapple Golf Links	South Middleton Township	PA	GW	Golf Courses and Country Clubs	3/8/2018	3/7/2033
Mayor and City Council of Baltimore / Mayor and City Council of Baltimore, Maryland Water Supply System	Dublin District	MD	SW,CU	Water Supply and Irrigation Systems	08/09/2001, 09/15/2011	08/08/2051, 08/08/2051
McClure Municipal Authority / McClure Municipal Authority	McClure Borough	PA	NULL	Water Supply and Irrigation Systems	4/2/2019	4/2/2044
McGraw, Village of	McGraw Village	NY	GW	Water Supply and Irrigation Systems	5/11/1995	5/11/2025
McStern, L.L.C. / Deer Valley Golf Club	South Hanover Township	PA	CU	Golf Courses and Country Clubs	06/12/2002, 05/12/2020	06/12/2027, 06/12/2027
Meadia Heights Golf Club LLC / Meadia Heights Golf Club LLC	West Lampeter Township	PA	SW,CU	Golf Courses and Country Clubs	02/10/2000, 09/18/2020	02/10/2025, 02/10/2025
Merck Sharp & Dohme Corp. / Cherokee Pharmaceuticals, LLC	Riverside Borough	PA	CU,GW,SW	Pharmaceutical and Medicine Manufacturing	03/12/2009, 03/12/2009, 03/12/2009	03/12/2024, 03/12/2024, 03/12/2024
Messiah College / Messiah College	Monaghan Township	PA	CU	Colleges, Universities, and Professional Schools	2/6/2003	2/6/2028
Michael and Sandra Buhler / Bennett Branch Sinnemahoning Creek	Huston Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/16/2017	6/30/2022
Michael Foods, Inc. / Papetti's Hygrade Egg Products, Inc., d.b.a. Michael Foods Egg Products Company	Hubley Township	PA	GW,CU	Food Manufacturing	09/09/1999, 04/18/2000, 09/11/2008	09/09/2024, 09/09/2024, 09/09/2024

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Middlesex Township Municipal Authority / Middlesex Township Municipal Authority	Middlesex Township	PA	GW	Water Supply and Irrigation Systems	12/5/2006	12/5/2031
Middletown, Borough of / SUEZ/Middletown Water System	Middletown Borough	PA	GW	Water Supply and Irrigation Systems	07/13/1989, 07/10/1997	07/13/2019, 07/10/2022
Mifflinburg, Borough of / Mifflinburg, Borough of	Lewis Township	PA	GW	Water Supply and Irrigation Systems	11/23/1993, 12/15/2004, 12/08/2017, 07/26/2018	11/23/2023, 12/15/2029, 12/15/2029, 07/26/2043
Mifflintown Municipal Authority / Mifflintown Municipal Authority	Milford Township	PA	SW	Water Supply and Irrigation Systems	03/11/1993, 01/30/2007	05/19/2018, 05/19/2018
Miles Township Water Authority East / Miles Township Water Authority East	Miles Township	PA	SW	Water Supply and Irrigation Systems	6/12/2009	6/12/2034
Milesburg Borough Water Authority / Milesburg Borough Water Authority	Bellefonte Borough	PA	NULL	Water Supply and Irrigation Systems	9/30/2005	9/27/2038
Mill Race Golf and Camping Resort, LLC / Mill Race Golf and Camping Resort, LLC	Benton Township	PA	CU	Golf Courses and Country Clubs	6/12/2002	6/12/2027
Millersburg Area Authority / Millersburg Area Authority	Millersburg Borough	PA	GW	Water Supply and Irrigation Systems	03/11/1993, 11/12/2002, 12/12/2013	03/11/2023, 11/12/2027, 12/11/2028
Millersville University of Pennsylvania / Millersville University of Pennsylvania	Millersville Borough	PA	CU	Colleges, Universities, and Professional Schools	6/4/2015	6/3/2030
Millheim Borough / Millheim Borough Water Company	Penn Township	PA	SW	Water Supply and Irrigation Systems	3/10/1994	4/7/2019
Milton Hershey School / Milton Hershey School	Derry Township	PA	GW,CU	Elementary and Secondary Schools	11/26/1996, 07/08/1999, 06/08/2000	11/26/2021, 11/26/2021, 11/26/2021
MJ Real Estate Holdings, LLC / The Links at Hemlock Creek	Hemlock Township	PA	GW,CU	Golf Courses and Country Clubs	06/09/2004, 05/29/2020	06/09/2029, 06/09/2029
Moccasin Run Golf Club, Inc. / Moccasin Run Golf Club	West Fallowfield Township	PA	CU	Golf Courses and Country Clubs	12/14/2000, 05/12/2020	12/14/2025, 12/14/2025
Montage Mountain Resorts, L.P. / Montage Mountain Resorts, L.P.	Scranton City	PA	SW,CU	Other Amusement and Recreation Industries	04/10/2003, 12/05/2007, 06/12/2020	04/10/2028, 04/10/2028, 04/10/2028
Montgomery Water Authority / Montgomery Water Authority	Clinton Township	PA	GW	Water Supply and Irrigation Systems	11/10/1988, 07/11/1991, 12/04/2015, 09/18/2020	11/10/2018, 07/11/2021, 12/03/2030, 09/30/2035
Montour, LLC / Montour Steam Electric Station	Derry Township	PA	CU,SW	Electric Power Generation	09/27/1994, 03/15/2006, 12/05/2006	03/15/2031, 03/15/2031, 03/15/2031

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Mount Joy Borough Authority / Mount Joy Borough Authority	Rapho Township	PA	GW	Water Supply and Irrigation Systems	06/13/2007, 06/16/2017, 06/23/2011, 03/10/2016, 06/16/2016	06/13/2022, 06/13/2022, 06/22/2026, 06/22/2026, 06/22/2026
Mount Nittany Medical Center / Mount Nittany Medical Center	College Township	PA	CU	Hospitals	4/10/2017	4/9/2032
Mount Union Municipal Authority / Mount Union Municipal Authority	Shirley Township	PA	GW	Water Supply and Irrigation Systems	10/10/2002, 03/14/2007	10/10/2027, 03/14/2022
Mountain Energy Services, Inc. / Tunkhannock Creek	Tunkhannock Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Mountaintop Regional Water Authority / Mountaintop Regional Water Authority	Snow Shoe Township	PA	GW	Water Supply and Irrigation Systems	01/13/1994, 04/18/2000	01/13/2024, 04/18/2025
Moxie Freedom LLC / Moxie Freedom LLC	Salem Township		GW,CU	Electric Power Generation	12/08/2016, 07/24/2020	12/07/2031, 09/09/2030
Mt. Carmel Cogen, Inc. / Mt. Carmel Cogen, Inc.	Mt Carmel Township	PA	CU	Electric Power Generation	3/7/2017	3/31/2032
Muncy Borough Municipal Authority / Muncy Borough Municipal Authority	Muncy Creek Township	PA	GW	Water Supply and Irrigation Systems	3/10/2016	3/9/2031
Nature's Way Purewater Systems, Inc. / Dupont Bottling Plant	Pittston Township	PA	GW,CU	Bottled Water Manufacturing	06/23/2011, 06/04/2015	06/22/2026, 06/22/2026
Nature's Way Purewater Systems, Inc. / Nature's Way Springs	Foster Township	PA	GW	Bottled Water Manufacturing	6/23/2011	6/22/2026
Nelson Township Authority	Lawrence Township	PA	NULL	Water Supply and Irrigation Systems	1/10/2008	1/28/2023
Nestle Waters North America Inc. / Nestle Waters North America Inc.	Pine Grove Township	PA	GW,CU	Bottled Water Manufacturing	2/10/2000	2/10/2025
New Berlin, Village of / New Berlin, Village of	New Berlin Town	NY	GW	Water Supply and Irrigation Systems	1/15/1998	1/15/2023
New Enterprise Stone & Lime Co., Inc. / Ashcom Quarry	Snake Spring Township	PA	CU,GW,SW	Stone Mining and Quarrying	12/11/2003, 06/13/2007, 03/12/2009, 06/12/2020	12/11/2028, 12/11/2028, 12/11/2028, 12/11/2028
New Enterprise Stone & Lime Co., Inc. / Burkholder Quarry	Earl Township	PA	CU,GW	Stone Mining and Quarrying	03/10/2004, 03/13/2008, 06/16/2016, 05/29/2020, 06/16/2016	03/10/2029, 03/10/2029, 03/10/2029, 03/10/2029, 06/30/2031
New Enterprise Stone & Lime Co., Inc. / Jayne Bend Quarry	Mehoopany Township	PA	CU	Construction Sand and Gravel Mining	07/11/1991, 02/10/2000, 05/29/2020	07/11/2021, 07/11/2021, 07/11/2021
New Enterprise Stone & Lime Co., Inc. / Kurtz Quarry	East Cocalico Township	PA	CU	Stone Mining and Quarrying	03/10/2004, 05/29/2020	03/10/2029, 03/10/2029

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New Enterprise Stone & Lime Co., Inc. / Lewisburg Quarry	Buffalo Township	PA	SW,CU	Stone Mining and Quarrying	09/08/2004, 05/29/2020	09/08/2029, 09/08/2029
New Enterprise Stone & Lime Co., Inc. / Roaring Spring	Taylor Township	PA	CU	Construction Sand and Gravel Mining	7/14/1994	7/14/2024
New Enterprise Stone & Lime Co., Inc. / Shippensburg Quarry	Southampton Township	PA	NULL	Stone Mining and Quarrying	6/7/2019	NULL
New Enterprise Stone & Lime Co., Inc. / Tyrone Quarry	Snyder Township	PA	CU,GW,SW	Stone Mining and Quarrying	12/11/2003, 06/13/2007, 09/11/2008	12/11/2028, 12/11/2028, 12/11/2028
New Enterprise Stone & Lime Co., Inc. / Weaverland Quarry	East Earl Township	PA	CU	Stone Mining and Quarrying	03/10/2004, 05/29/2020	03/10/2029, 03/10/2029
New Freedom Borough / New Freedom Borough	New Freedom Borough	PA	SW	Water Supply and Irrigation Systems	5/13/1999	9/14/2022
New Holland Borough Authority / New Holland Borough Authority	New Holland Borough	PA	GW	Water Supply and Irrigation Systems	03/09/1995, 06/12/2003, 12/12/2013, 03/13/2020	03/09/2025, 06/12/2028, 12/11/2028, 03/12/2035
New Morgan Borough Utilities Authority / New Morgan Borough Utilities Authority - PWS System	New Morgan Borough	PA	GW	Water Supply and Irrigation Systems	3/13/2020	12/4/2029
New Morgan Landfill Company, Inc. / Conestoga Landfill	New Morgan Borough	PA	CU,GW	Solid Waste Landfill	12/05/2006, 06/11/2010, 09/16/2010, 06/23/2011, 06/20/2013	12/05/2031, 12/05/2031, 09/15/2025, 06/22/2026, 06/19/2028
New Oxford Municipal Authority / New Oxford Municipal Authority	New Oxford Borough	PA	SW,GW	Water Supply and Irrigation Systems	06/29/1987, 12/05/2014	07/22/2037, 12/04/2029
Newark Valley, Village of / Newark Valley, Village of	Newark Valley Town	NY	GW	Water Supply and Irrigation Systems	12/11/2003	12/11/2028
Newport Borough Water Authority / Newport Borough Water Authority	Oliver Township	PA	GW	Water Supply and Irrigation Systems	05/14/1992, 07/09/1992, 12/14/2005, 10/09/2009, 09/04/2014	05/14/2022, 07/09/2022, 12/14/2030, 10/09/2034, 09/03/2029
Newville Borough Water and Sewer Authority / Newville Borough Water and Sewer Authority	Newville Borough	PA	SW	Water Supply and Irrigation Systems	03/15/2006, 04/03/2006	03/15/2031, 04/03/2031
Nichols, Town of / Town of Nichols Water System	Nichols Town	NY	GW	Water Supply and Irrigation Systems	12/8/2016	12/7/2031
Nissin Foods U.S.A. Inc. / Nissin Foods (USA) Co., Inc.	East Hempfield Township	PA	CU	Food Manufacturing	10/10/2002, 12/17/2009	10/10/2027, 10/10/2027

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Northeast Marcellus Aqua Midstream I, LLC / Susquehanna River	Tunkhannock Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/14/2023
Northwestern Lancaster County Authority / Northwestern Lancaster County Authority	Penn Township	PA	GW	Water Supply and Irrigation Systems	06/07/2012, 08/19/2014	06/06/2027, 08/19/2039
Old Dominion Electric Cooperative / Wildcat Point Generation Facility	Fulton Township	MD	CU,SW	Electric Power Generation	03/06/2014, 01/10/2017	03/05/2029, 03/05/2029
Oneonta, City of / Oneonta, City of	Oneonta City	NY	GW	Water Supply and Irrigation Systems	3/12/1992	3/12/2022
Online Application Internal Company / Samson	Limestone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	NULL	NULL
Online Application Internal Company / SW Demo V2	Gibson Township	PA	SW,CU	Inland Water Passenger Transportation	6/19/2019	6/19/2033
Out Door Country Club / Out Door Country Club	Manchester Township	PA	CU	Golf Courses and Country Clubs	04/11/2002, 05/12/2020	04/11/2027, 04/11/2027
Oxford, Village of / Oxford, Village of	Oxford Village	NY	GW	Water Supply and Irrigation Systems	6/9/2004	6/9/2029
PADEP - Bureau of Abandoned Mine Reclamation (Ebensburg, PA) / Hollywood Mine Pool	Huston Township	PA	GW	Mining	6/18/2009	6/18/2024
PADEP - Bureau of Abandoned Mine Reclamation (Ebensburg, PA) / Lancashire No. 15	Barr Township	PA	GW,SW	Mining	6/18/2009	6/18/2024
PADEP - Southcentral / Leacock Township	Leacock Township	PA	GW	Water Supply and Irrigation Systems	06/04/2015, 03/09/2017	06/03/2030, 03/08/2032
PADEP / Cresson Acid Mine Drainage Abatement Project	Gallitzin Township	PA	GW	Mining	3/10/2016	3/9/2046
Panda Hummel Station LLC / Panda Hummel Station LLC	Monroe Township	PA	SW,CU	Electric Power Generation	12/04/2008, 03/01/2018	12/04/2023, 12/04/2023
Panda Liberty LLC / Panda Liberty LLC	Asylum Township	PA	CU	Electric Power Generation	01/18/2013, 10/05/2017	01/18/2028, 01/18/2028
Panda Patriot LLC / Panda Patriot LLC	Clinton Township	PA	CU	Electric Power Generation	01/18/2013, 10/05/2017	01/18/2028, 01/18/2028
Parline Golf Course / Parline Golf Course	Londonderry Township	PA	CU	Golf Courses and Country Clubs	06/12/2002, 05/12/2020	06/12/2027, 06/12/2027
Patton, Borough of / Patton, Borough of	Clearfield Township	PA	GW	Water Supply and Irrigation Systems	12/14/2012, 09/26/2016	12/13/2027, 12/13/2027
Penn State Milton S. Hershey Medical Center	Derry Township	PA	CU	General Medical and Surgical Hospitals	2/21/2002	2/21/2027
Pennsy Supply, Inc. / Pennsy Supply, Inc. - Fiddler's Elbow - South Quarry	Lower Swatara Township	PA	CU	Crushed and Broken Limestone Mining and Quarrying	6/8/2005	6/8/2030
Pennsy Supply, Inc. / Pennsy Supply, Inc. - Hummelstown Quarry	Hummelstown Borough	PA	SW	Mining	9/11/2008	9/11/2023
Pennsy Supply, Inc. / Pennsy Supply, Inc. - Landisville Quarry	West Hempfield Township	PA	CU	Mining	06/12/2003, 06/12/2020	06/12/2028, 06/12/2028

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Pennsy Supply, Inc. / Pennsy Supply, Inc. - Mt. Holly Springs Quarry	Dickinson Township	PA	CU	Stone Mining and Quarrying	03/10/2004, 06/12/2020	03/10/2029, 03/10/2029
Pennsy Supply, Inc. / Pennsy Supply, Inc. (dba) Slusser Brothers-Pittston Quarry	Jenkins Township	PA	CU	Crushed and Broken Limestone Mining and Quarrying	03/29/2005, 06/12/2020	03/29/2030, 03/29/2030
Pennsy Supply, Inc. / Pennsy Supply, Inc.- Millard Quarry	North Londonderry Township	PA	CU	Stone Mining and Quarrying	09/08/2004, 06/12/2020	09/08/2029, 09/08/2029
Pennsy Supply, Inc. / Pennsy Supply, Inc.- Penn Township	Penn Township	PA	CU	Mining (except Oil and Gas)	09/08/2004, 06/12/2020	09/08/2029, 09/08/2029
Pennsy Supply, Inc. / Pennsy Supply, Inc.- Small Mountain Quarry	Dorrance Township	PA	CU	Stone Mining and Quarrying	03/10/2004, 06/12/2020	03/10/2029, 03/10/2029
Pennsylvania - American Water Company / Capitol Division East/Hershey District	South Hanover Township	PA	SW	Water Supply and Irrigation Systems	05/11/1989, 11/03/2017	06/12/2039, 10/14/2019
Pennsylvania - American Water Company / Frackville District	Frackville Borough	PA	GW	Water Supply and Irrigation Systems	11/13/1997, 06/14/2001	11/13/2022, 06/14/2026
Pennsylvania - American Water Company / Milton District	Milton Borough	PA	NULL	Water Supply and Irrigation Systems	7/5/2017	7/5/2042
Pennsylvania - American Water Company / Moshannon District	Rush Township	PA	GW	Water Supply and Irrigation Systems	03/09/1989, 02/08/2001	03/09/2019, 02/08/2026
Pennsylvania - American Water Company / Nittany Water System	Walker Township	PA	GW	Water Supply and Irrigation Systems	9/8/2016	9/30/2031
Pennsylvania - American Water Company / Riverton District	Silver Spring Township	PA	NULL	Water Supply and Irrigation Systems	11/30/1989, 06/11/1993	11/30/2039, 11/30/2039
Pennsylvania - American Water Company / Steelton District	Steelton Borough	PA	NULL	Water Supply and Irrigation Systems	10/18/2017, 10/23/2017	10/18/2042, 08/30/2030
Pennsylvania - American Water Company / Susquehanna District	Liberty Township	PA	GW	Water Supply and Irrigation Systems	3/8/1990	3/8/2020
Pennsylvania College of Technology / Pennsylvania College of Technology	Williamsport City	PA	CU	Colleges, Universities, and Professional Schools	6/14/2001	6/14/2026
Pennsylvania Fish & Boat Commission / Benner Spring State Fish Hatchery	Benner Township	PA	GW	Finfish Farming and Fish Hatcheries	7/14/1994	7/14/2024
Pennsylvania Fish & Boat Commission / Pleasant Gap State Fish Hatchery	Benner Township	PA	SW	Finfish Farming and Fish Hatcheries	12/5/2019	6/8/2025
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad B	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/28/2017	6/18/2022
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad C	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/28/2017	7/10/2022
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad E	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2017	7/11/2022
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad F	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2016	5/6/2021
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad G	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	9/14/2021

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Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	11/14/2021
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad I	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	11/14/2021
Pennsylvania General Energy Company, L.L.C. / COP Tract 293 Pad-A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/12/2019	8/12/2024
Pennsylvania General Energy Company, L.L.C. / COP Tract 322 Pad A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2017	1/11/2023
Pennsylvania General Energy Company, L.L.C. / COP Tract 322 Pad B	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/25/2017	1/11/2023
Pennsylvania General Energy Company, L.L.C. / COP Tract 322 Pad C	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2018	4/5/2023
Pennsylvania General Energy Company, L.L.C. / COP Tract 322 Pad E	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/21/2018	8/12/2023
Pennsylvania General Energy Company, L.L.C. / COP Tract 356 Pad J	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/29/2016	1/10/2022
Pennsylvania General Energy Company, L.L.C. / COP Tract 596 Pad A	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/11/2019	9/11/2024
Pennsylvania General Energy Company, L.L.C. / COP Tract 596 Pad B	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/29/2017	4/5/2023
Pennsylvania General Energy Company, L.L.C. / COP TRACT 724 - PAD A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025
Pennsylvania General Energy Company, L.L.C. / COP Tract 726 Pad B	Plunketts Creek Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2017	6/7/2022
Pennsylvania General Energy Company, L.L.C. / COP Tract 729 Pad B	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	11/14/2021
Pennsylvania General Energy Company, L.L.C. / COP Tract 729 Pad C	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/16/2015	8/10/2020
Pennsylvania General Energy Company, L.L.C. / COP Tract 729 Pad D	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/16/2015	8/10/2020
Pennsylvania General Energy Company, L.L.C. / COP Tract 729 Pad E	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2016	7/26/2021
Pennsylvania General Energy Company, L.L.C. / COP Tract 729 Pad-A	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/12/2019	8/12/2024
Pennsylvania General Energy Company, L.L.C. / First Fork Sinnemahoning Creek	Wharton Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/9/2017	3/31/2022
Pennsylvania General Energy Company, L.L.C. / Pine Creek	Watson Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Pennsylvania General Energy Company, L.L.C. / Pine Hill 1941 A-B	Wharton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Pennsylvania General Energy Company, L.L.C. / Pine Hill West Pad B	Sylvania Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025

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Pennsylvania General Energy Company, L.L.C. / Reed Run Norwich Pad D	Norwich Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/12/2015	12/16/2020
Pennsylvania General Energy Company, L.L.C. / SGL 75 Pad F	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2019	4/1/2024
Pennsylvania General Energy Company, L.L.C. / SGL75 Pad A	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2019	4/29/2024
Pennsylvania General Energy Company, L.L.C. / SGL75 PAD B	McHenry Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2018	8/13/2023
Pennsylvania Grain Processing, LLC / Pennsylvania Grain Processing, LLC- Clearfield	Clearfield Borough	PA	SW,CU	Ethyl Alcohol Manufacturing	9/12/2007	9/12/2022
Pennsylvania State University / Pennsylvania State University	College Township	PA	GW,CU	Colleges, Universities, and Professional Schools	01/12/1989, 08/09/2001, 12/05/2019	01/12/2019, 01/12/2019, 12/31/2034
Penn-View, Inc. - Wyncote Golf Club / Wyncote Golf Club	Lower Oxford Township	PA	CU	Golf Courses and Country Clubs	08/10/2000, 05/12/2020	08/10/2025, 08/10/2025
Perdue AgriBusiness LLC / Perdue Soybean Crush Plant	Conoy Township	PA	GW	Soybean Processing	3/21/2013	3/20/2028
Perry, Jackson / Perry, Jackson	Wayne Township	PA	GW,CU	Bottled Water Manufacturing	9/20/2012	9/19/2027
Perryville, Town of	Port Deposit District	MD	SW,CU	Water Supply and Irrigation Systems	12/5/2006	12/5/2031
Philipsburg Elks Lodge & Country Club / Philipsburg Elks Lodge & Country Club	Rush Township	PA	CU	Golf Courses and Country Clubs	06/12/2002, 08/14/2003	06/12/2027, 06/12/2027
Pike Township Municipal Authority	Pike Township	PA	SW	Water Supply and Irrigation Systems	3/8/1990	4/20/2040
Pilgrim's Oak Golf Course / Pilgrim's Oak Golf Course	Drumore Township	PA	SW,CU	Golf Courses and Country Clubs	5/21/1998	5/21/2023
Pine Grove Borough / Pine Grove Borough Water Authority	Tremont Township	PA	GW	Water Supply and Irrigation Systems	9/10/1992	9/10/2022
Pine Hills Country Club, Ltd. / Pine Hills Country Club	Taylor Borough	PA	CU	Golf Courses and Country Clubs	06/09/2004, 05/12/2020	06/09/2029, 06/09/2029
Pine Meadows Golf Complex / Pine Meadows Golf Complex	Bethel Township	PA	SW,CU	Golf Courses and Country Clubs	06/12/2002, 05/12/2020	06/12/2027, 06/12/2027
Pioneer Hi-Bred International, Inc / Pioneer Hi-Bred International, Inc.	Earl Township	PA	GW	Agriculture, Forestry, Fishing and Hunting	5/12/1994	5/12/2024
Pixelle Specialty Solutions LLC / Industrial Wastewater Treatment Plant (IWTP)	North Codorus Township	PA	CU	Paper Manufacturing	6/11/2010	6/10/2025
Pixelle Specialty Solutions LLC / Paper/Pulp Mill and Cogen Operations	Jackson Township	PA	CU,SW	Paper Manufacturing	05/13/1993, 06/16/2017	05/13/2023, 06/30/2032
Pixelle Specialty Solutions LLC / Spring Grove Mill	Spring Grove Borough	PA	SW,CU	Pulp, Paper, and Paperboard Mills	09/18/2020, 09/18/2020, 09/18/2020	09/30/2035, 09/30/2035, 09/30/2035
Plainville Brands, LLC / Plainville Farms	New Oxford Borough	PA	GW,CU	Meat Processed from Carcasses	12/4/2008	12/4/2023

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Port Royal Municipal Authority	Turbett Township	PA	GW	Water Supply and Irrigation Systems	3/10/1994	3/10/2024
Porter Township Municipal Authority / Porter Township Municipal Authority	Porter Township	PA	NULL	Water Supply and Irrigation Systems	6/29/2018	6/29/2043
Poultry Holdings LLC / Freebird East	Bethel Township	PA	GW	Poultry Processing	7/8/1999	7/8/2024
Procter & Gamble / Procter & Gamble – Mehoopany	Washington Township	PA	CU	Pharmaceutical and Medicine Manufacturing	07/14/1994, 05/13/1999	07/14/2024, 07/14/2024
Pro-Environmental, LLC / Martins Creek	Lathrop Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Quarryville Borough Authority / Quarryville Borough Authority	Quarryville Borough	PA	GW	Water Supply and Irrigation Systems	11/23/1993	11/23/2023
R. C. Rickard Development Corp., d/b/a Conklin Players Club / Conklin Players Club	Conklin Town	NY	CU	Golf Courses and Country Clubs	04/10/2003, 05/12/2020	04/10/2028, 04/10/2028
Range End Golf Club, Inc. / Range End Golf Club, Inc.	Carroll Township	PA	GW, CU	Golf Courses and Country Clubs	10/11/2001	10/11/2026
Range Resources - Appalachia, LLC / Arrowhead Hunting Club Unit	Gallagher Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	5/20/2022
Range Resources - Appalachia, LLC / Bobst A Unit 25H-27H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2017	2/17/2023
Range Resources - Appalachia, LLC / Bobst Mountain Hunting Club #18H - #23H Drilling Pad	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/18/2016	3/22/2021
Range Resources - Appalachia, LLC / Bobst Mtn Hunting Club 30H-33H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2017	2/17/2022
Range Resources - Appalachia, LLC / Bobst Unit #34H-#37H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2016	11/10/2021
Range Resources - Appalachia, LLC / Cornhill C Unit 1H-5H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	1/13/2022
Range Resources - Appalachia, LLC / Cornwall 1H-5H	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2019	2/11/2024
Range Resources - Appalachia, LLC / Cornwall 6H-8H	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Range Resources - Appalachia, LLC / Cornwall B Unit 1H - 4H	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/9/2019	9/9/2024
Range Resources - Appalachia, LLC / Cornwall Mountain	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	12/28/2021
Range Resources - Appalachia, LLC / Cornwall South Unit	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	4/8/2022
Range Resources - Appalachia, LLC / Corson, Eugene 1H-6H	Anthony Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	1/13/2024
Range Resources - Appalachia, LLC / Dog Run HC Unit 4H-6H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/16/2018	8/16/2023

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Range Resources - Appalachia, LLC / Dog Run Hunting Club Unit	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2020	6/15/2025
Range Resources - Appalachia, LLC / Fuller, Eugene Unit #1H - #3H Drilling Pad	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	12/2/2020
Range Resources - Appalachia, LLC / Gentner 3	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Range Resources - Appalachia, LLC / Goodwill Hunting Club Unit #4H-#9H Drilling Pad	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	11/19/2022
Range Resources - Appalachia, LLC / Gulf USA #63H Drilling Pad	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/5/2016	3/25/2021
Range Resources - Appalachia, LLC / Gulf USA 40H-42H	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/15/2016	9/15/2021
Range Resources - Appalachia, LLC / Gulf USA 67H - 68H	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/13/2019	9/13/2024
Range Resources - Appalachia, LLC / Harman, Lewis Unit #1H	Moreland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2020	8/18/2025
Range Resources - Appalachia, LLC / Hess Unit #1H	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/13/2017	12/28/2023
Range Resources - Appalachia, LLC / Laurel Hill 1	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Range Resources - Appalachia, LLC / Laurel Hill 9H-11H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/16/2018	8/16/2023
Range Resources - Appalachia, LLC / Laurel Hill B Unit	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/11/2018	6/11/2023
Range Resources - Appalachia, LLC / Laurel Hill D Pad	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/23/2015	3/23/2022
Range Resources - Appalachia, LLC / Lone Walnut Hunting Club	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2015	7/13/2020
Range Resources - Appalachia, LLC / McWilliams 1H - 2H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/12/2019	8/12/2024
Range Resources - Appalachia, LLC / McWilliams Unit #6H - #10H Well Pad	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/7/2017	8/24/2022
Range Resources - Appalachia, LLC / Mohawk Lodge Unit	Gallagher Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/1/2015	6/7/2022
Range Resources - Appalachia, LLC / Mohawk South Unit Well Pad	Gallagher Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/14/2016	6/14/2021
Range Resources - Appalachia, LLC / Null Bobst Unit 1H - 5H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/7/2017	8/28/2022
Range Resources - Appalachia, LLC / Null, Eugene Unit #2H - #7H Drilling Pad	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	4/8/2021

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Range Resources - Appalachia, LLC / Ogontz 3H, 7H, & 9H	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2019	9/10/2024
Range Resources - Appalachia, LLC / Ogontz Fishing Club #18H - #23H Drilling Pad	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	11/30/2022
Range Resources - Appalachia, LLC / Ogontz Fishing Club #24H - #29H Drilling Pad	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	11/30/2022
Range Resources - Appalachia, LLC / Ogontz Fishing Club #30H - #35H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	12/21/2022
Range Resources - Appalachia, LLC / Ogontz Fishing Club Unit #12H - #17H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2015	6/15/2022
Range Resources - Appalachia, LLC / Paulhamus, Frederick Unit #5H & #6H Drilling Pad	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	11/30/2022
Range Resources - Appalachia, LLC / Porter, Stephen	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	3/27/2024
Range Resources - Appalachia, LLC / Red Bend B Unit #1H-#8H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2016	11/10/2021
Range Resources - Appalachia, LLC / Red Bend C Unit #1H-#5H	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2016	11/10/2021
Range Resources - Appalachia, LLC / Red Bend Hunting & Fishing Club Unit #3H-#5H Drilling Pad	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	11/23/2020
Range Resources - Appalachia, LLC / Roaring Run Unit	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	3/27/2023
Range Resources - Appalachia, LLC / Roup 1H - 2H	Mifflin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/20/2019	12/20/2024
Range Resources - Appalachia, LLC / Sechrist, Mark -#1H-#3H	Anthony Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2016	11/10/2023
Range Resources - Appalachia, LLC / Shipman, James Unit #1H & #2H Drilling Pad	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/18/2016	4/8/2021
Range Resources - Appalachia, LLC / Shipman-Goodwill Unit #1H - #4H Drilling Pad	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/18/2016	4/13/2021
Range Resources - Appalachia, LLC / Shohocken Hunt Club Unit #1H - #6H	Cummings Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Range Resources - Appalachia, LLC / State Game Lands 075A - East Pad	Pine Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/30/2018	11/30/2023
Range Resources - Appalachia, LLC / State Game Lands 075A - West Pad	Pine Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/18/2017	7/6/2022
Range Resources - Appalachia, LLC / Winner Unit #2H - #5H Drilling Pad	Gallagher Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	12/27/2020

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Rausch Creek Generation, LLC / Rausch Creek Generation, LLC	Frailey Township	PA	GW,CU	Electric Power Generation	03/11/1999, 08/15/2002	03/11/2024, 03/11/2024
Red Lion Municipal Authority / Red Lion Municipal Authority	Chanceford Township	PA	SW	Water Supply and Irrigation Systems	7/10/1986	3/25/2033
Renovo Energy Center LLC / Renovo Energy Center LLC	Renovo Borough	PA	SW,CU	Electric Power Generation	06/16/2016, 03/24/2017	06/15/2031, 06/15/2031
Renovo, Borough of / Renovo Borough Water Authority	Chapman Township	PA	SW	Water Supply and Irrigation Systems	1/15/1998	1/28/2023
Repsol Oil & Gas USA, LLC / ABELL (05 112) G	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2017	9/10/2022
Repsol Oil & Gas USA, LLC / ABELL LIVING TRUST (05 082)	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	11/19/2022
Repsol Oil & Gas USA, LLC / ACRES (05 229) M	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2016	8/8/2023
Repsol Oil & Gas USA, LLC / ALDERFER (03 109) H	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	3/12/2024
Repsol Oil & Gas USA, LLC / ALDERSON (05 009) V	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/3/2022
Repsol Oil & Gas USA, LLC / ALDERSON (05 011) V	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	4/8/2021
Repsol Oil & Gas USA, LLC / ALDERSON (05 269)	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/25/2018	7/25/2023
Repsol Oil & Gas USA, LLC / ALEXANDER (01 124)	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/9/2019	5/9/2024
Repsol Oil & Gas USA, LLC / ANTISDEL (05 035) M	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/7/2022
Repsol Oil & Gas USA, LLC / ANTISDEL (05 036) M	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/7/2020
Repsol Oil & Gas USA, LLC / AYERS (05 005) K	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/18/2020
Repsol Oil & Gas USA, LLC / BARRETT (03 009) L	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2020	4/20/2025
Repsol Oil & Gas USA, LLC / BELLOWS (03 078) L	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2016	10/21/2023
Repsol Oil & Gas USA, LLC / BENNETT (05 164) R	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/25/2016	7/26/2021
Repsol Oil & Gas USA, LLC / BENSE (01 025/070) B	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Repsol Oil & Gas USA, LLC / BOOR (03 010) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	6/18/2022
Repsol Oil & Gas USA, LLC / BOOR (03 015) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/6/2014	2/26/2022

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Repsol Oil & Gas USA, LLC / BRELSFORD (01 086) H	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/18/2022
Repsol Oil & Gas USA, LLC / BROADLEAF HOLDINGS (01 115)	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/25/2018	7/25/2023
Repsol Oil & Gas USA, LLC / BUCKS HILL (05 264) S	LeRaysville Borough	PA	CU	Crude Petroleum and Natural Gas Extraction	11/28/2016	12/13/2021
Repsol Oil & Gas USA, LLC / BUTLER (07 086) J	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2018	9/6/2023
Repsol Oil & Gas USA, LLC / CALABRO T1	Orange Town	NY	CU	Crude Petroleum and Natural Gas Extraction	5/27/2020	5/27/2025
Repsol Oil & Gas USA, LLC / CALABRO T2	Orange Town	NY	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	5/22/2022
Repsol Oil & Gas USA, LLC / CAMP COMFORT (07 185)	Middletown Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/21/2016	6/27/2021
Repsol Oil & Gas USA, LLC / CAPRIO (07 077) S	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/14/2019	2/14/2024
Repsol Oil & Gas USA, LLC / CARLSEN (05 174) C	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/12/2016	8/31/2023
Repsol Oil & Gas USA, LLC / CARPENTER (03 023) K	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2015	8/20/2020
Repsol Oil & Gas USA, LLC / CASTLE (01 047) J	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / CEASE (01 005/008) R	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Repsol Oil & Gas USA, LLC / Chicken Hawk	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2020	6/9/2025
Repsol Oil & Gas USA, LLC / Choconut Creek	Choconut Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/8/2017	12/31/2022
Repsol Oil & Gas USA, LLC / CHOCONUT VALLEY FARMS (07 090)	Choconut Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2019	3/21/2024
Repsol Oil & Gas USA, LLC / CLDC (02 177)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2018	11/19/2023
Repsol Oil & Gas USA, LLC / CLDC (02 178)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/14/2019	10/14/2024
Repsol Oil & Gas USA, LLC / COOK (05 040) C	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	10/13/2022
Repsol Oil & Gas USA, LLC / COOLEY (05 004) P	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/27/2021
Repsol Oil & Gas USA, LLC / COOLEY (05 266) D	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2019	1/28/2024
Repsol Oil & Gas USA, LLC / COREY (07 089) J	Choconut Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2019	2/11/2024

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Repsol Oil & Gas USA, LLC / CRANK (03 067) O	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	4/19/2022
Repsol Oil & Gas USA, LLC / CUMMINGS LUMBER (01 081)	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/26/2020
Repsol Oil & Gas USA, LLC / DCNR 587 (02 001)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2019	6/16/2024
Repsol Oil & Gas USA, LLC / DCNR 587 (02 002)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 003)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2015	8/11/2022
Repsol Oil & Gas USA, LLC / DCNR 587 (02 004)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 005)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2014	3/30/2022
Repsol Oil & Gas USA, LLC / DCNR 587 (02 006)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/3/2020	5/3/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 008)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/4/2014	2/22/2022
Repsol Oil & Gas USA, LLC / DCNR 587 (02 009)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 010)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/20/2016	8/1/2021
Repsol Oil & Gas USA, LLC / DCNR 587 (02 011)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	6/30/2021
Repsol Oil & Gas USA, LLC / DCNR 587 (02 013)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2014	3/1/2022
Repsol Oil & Gas USA, LLC / DCNR 587 (02 014)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 015)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	12/8/2022
Repsol Oil & Gas USA, LLC / DCNR 587 (02 017)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 018)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2020	4/22/2025
Repsol Oil & Gas USA, LLC / DCNR 587 (02 019)	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2015	8/11/2020
Repsol Oil & Gas USA, LLC / DCNR 594 (02 200)	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/22/2018	10/22/2023
Repsol Oil & Gas USA, LLC / DCNR 594 (02 203)	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2015	8/9/2021
Repsol Oil & Gas USA, LLC / DCNR 594 (02 205)	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2015	8/9/2020

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Repsol Oil & Gas USA, LLC / DCNR 594 (02-201)	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2018	11/13/2023
Repsol Oil & Gas USA, LLC / DCNR 594 (02-207)	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2018	8/28/2023
Repsol Oil & Gas USA, LLC / DECRISTO (05 022) D	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	10/14/2020
Repsol Oil & Gas USA, LLC / DETWEILER (02 100) R	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2015	8/3/2020
Repsol Oil & Gas USA, LLC / DEWING (05 100) R	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	2/17/2021
Repsol Oil & Gas USA, LLC / DORN (02 180) A	Hamilton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/15/2016	4/15/2021
Repsol Oil & Gas USA, LLC / DRUMM G2	Bradford Town	NY	CU	Crude Petroleum and Natural Gas Extraction	5/27/2020	5/27/2025
Repsol Oil & Gas USA, LLC / EDESELL (05 003) C	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/11/2022
Repsol Oil & Gas USA, LLC / EICK (03 013) W	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2020	3/2/2025
Repsol Oil & Gas USA, LLC / EVERTS (03 086) P	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	6/24/2021
Repsol Oil & Gas USA, LLC / Fall Brook - Bense	Troy Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Repsol Oil & Gas USA, LLC / Fall Brook - C.O.P. Tioga State Forest	Ward Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/8/2018	3/31/2023
Repsol Oil & Gas USA, LLC / Fellows Creek - C.O.P. Tioga State Forest	Ward Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/8/2018	3/31/2023
Repsol Oil & Gas USA, LLC / FERGUSON (01 023) R	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/31/2014	4/30/2022
Repsol Oil & Gas USA, LLC / FEUSNER (03 044) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/27/2020
Repsol Oil & Gas USA, LLC / FEUSNER (03 045) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/27/2022
Repsol Oil & Gas USA, LLC / FEUSNER (03 053) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2020	8/28/2025
Repsol Oil & Gas USA, LLC / FOUST (01 003) J	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / FREDERICK (02 109) L	Hamilton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/12/2016	8/30/2023
Repsol Oil & Gas USA, LLC / FROST 2	Orange Town	NY	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	5/22/2022
Repsol Oil & Gas USA, LLC / GARDINER (01 071) D	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025

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Repsol Oil & Gas USA, LLC / Golden Eagle	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/27/2015	4/21/2022
Repsol Oil & Gas USA, LLC / GREEN NEWLAND LLC (05 067)	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/25/2022
Repsol Oil & Gas USA, LLC / HARALAMBOUS (03 074) G	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2016	8/24/2021
Repsol Oil & Gas USA, LLC / HARNISH (01 032) G	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/6/2015	6/14/2022
Repsol Oil & Gas USA, LLC / HARRIS (01 004) M	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Repsol Oil & Gas USA, LLC / HARRIS (01 012) A	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
Repsol Oil & Gas USA, LLC / HARTNETT (05 097) R	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	10/19/2020
Repsol Oil & Gas USA, LLC / HARVEST HOLDINGS (01 036)	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2020	4/20/2025
Repsol Oil & Gas USA, LLC / HARVEY (05 073) M	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	11/12/2022
Repsol Oil & Gas USA, LLC / HEMLOCK VALLEY (05 265)	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/16/2016	1/31/2022
Repsol Oil & Gas USA, LLC / HOOVER (01 017) G	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / HUGHES (02 204) E	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/18/2018	4/18/2023
Repsol Oil & Gas USA, LLC / HUTCHINSON (05 165) R	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	11/23/2022
Repsol Oil & Gas USA, LLC / Johnson (02 135) K	Hamilton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/23/2017	1/23/2024
Repsol Oil & Gas USA, LLC / KIRKOWSKI (01 066) J	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/27/2022
Repsol Oil & Gas USA, LLC / KLEIN (01 014) R	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/9/2019	12/9/2024
Repsol Oil & Gas USA, LLC / KLINE (01 125) R	Springfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2019	3/11/2024
Repsol Oil & Gas USA, LLC / KNIGHTS (01 024) L	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2020	2/20/2025
Repsol Oil & Gas USA, LLC / KNIGHTS (01 044) L	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2019	5/20/2024
Repsol Oil & Gas USA, LLC / KOHLER (02 191)	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2020	1/20/2025
Repsol Oil & Gas USA, LLC / KROPIEWNICKI (07 038) J	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2019	2/11/2024

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Repsol Oil & Gas USA, LLC / KROPP (07 017) C	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2018	5/21/2023
Repsol Oil & Gas USA, LLC / KUHLMAN (05 258) M	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/20/2017	8/28/2022
Repsol Oil & Gas USA, LLC / LONGNECKER (03 008) G	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/6/2014	2/22/2022
Repsol Oil & Gas USA, LLC / LUTZ (01 001) T	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / LUTZ (01 007) T	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Repsol Oil & Gas USA, LLC / LUTZ (01 015)	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Repsol Oil & Gas USA, LLC / LYON (01 078) S	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Repsol Oil & Gas USA, LLC / MCMURRAY (01 031) C	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/19/2022
Repsol Oil & Gas USA, LLC / MILLER (05 056) F	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	10/6/2020
Repsol Oil & Gas USA, LLC / MONRO (03 142) G	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2018	3/12/2023
Repsol Oil & Gas USA, LLC / MORETZ (03 036) J	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
Repsol Oil & Gas USA, LLC / MORGAN (01 073) K	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/6/2015	6/24/2022
Repsol Oil & Gas USA, LLC / MORGAN (01 074) W	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2014	3/1/2022
Repsol Oil & Gas USA, LLC / MOUNTAIN RUN HUNTING CLUB (02 153)	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/25/2016	7/26/2023
Repsol Oil & Gas USA, LLC / MURPHY (07 075) D	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2018	9/6/2023
Repsol Oil & Gas USA, LLC / NEVILLE (05 028) V	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	11/15/2022
Repsol Oil & Gas USA, LLC / NOBLE (03 029) S	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/7/2021
Repsol Oil & Gas USA, LLC / OLD MINE ROAD (02 188)	Hamilton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/16/2019	9/16/2024
Repsol Oil & Gas USA, LLC / OLSON (02 101) K	Hamilton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2015	9/27/2022
Repsol Oil & Gas USA, LLC / OLYMPIC LAKE ESTATES (07 083)	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2018	9/6/2023
Repsol Oil & Gas USA, LLC / O'ROURKE (05 046) W	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/17/2022

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Repsol Oil & Gas USA, LLC / PECK HILL FARM (05 178)	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	1/20/2021
Repsol Oil & Gas USA, LLC / PECK HILL FARM (05 180)	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	11/22/2020
Repsol Oil & Gas USA, LLC / PHINNEY (01 006) J	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Repsol Oil & Gas USA, LLC / PUTNAM (01 076) L	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2020	4/22/2025
Repsol Oil & Gas USA, LLC / PUTNAM (01 077) L	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2020	4/22/2025
Repsol Oil & Gas USA, LLC / Red Tailed Hawk	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/27/2015	11/12/2020
Repsol Oil & Gas USA, LLC / REINFRIED (02 113) C	Ward Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/5/2016	9/14/2021
Repsol Oil & Gas USA, LLC / REPINE (07 022) T	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/3/2018	5/21/2023
Repsol Oil & Gas USA, LLC / RITZ (03 073) G	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	9/7/2022
Repsol Oil & Gas USA, LLC / ROGERS (05 235) H	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/10/2016	8/31/2023
Repsol Oil & Gas USA, LLC / ROY (03 039) J	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/6/2015	6/10/2022
Repsol Oil & Gas USA, LLC / ROY (03 040) B	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2020	8/28/2025
Repsol Oil & Gas USA, LLC / ROY (03 046) B	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Repsol Oil & Gas USA, LLC / ROY (03 062) L	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/29/2015	8/12/2020
Repsol Oil & Gas USA, LLC / SCHMITT (07 043) D	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2018	5/21/2023
Repsol Oil & Gas USA, LLC / SCHUCKER (03 006) A	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2020	8/28/2025
Repsol Oil & Gas USA, LLC / Seeley Creek	Wells Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/31/2023
Repsol Oil & Gas USA, LLC / SENN (05 253) W	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	6/2/2021
Repsol Oil & Gas USA, LLC / SHEA (07 021) D	Choconut Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/31/2018	9/6/2023
Repsol Oil & Gas USA, LLC / SHEDDEN (01 013/043) D	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/10/2019	6/10/2024
Repsol Oil & Gas USA, LLC / SHEDDEN (01 026/027) D	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024

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Repsol Oil & Gas USA, LLC / SHEDDEN (01 075) L	Granville Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/6/2020
Repsol Oil & Gas USA, LLC / SHERMAN (03 144) M	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/7/2019	10/7/2024
Repsol Oil & Gas USA, LLC / SLOVAK (05 202) M	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	12/20/2020
Repsol Oil & Gas USA, LLC / Sparrow Hawk	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/27/2015	9/10/2020
Repsol Oil & Gas USA, LLC / STEPHANI (03 111)	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2016	8/8/2023
Repsol Oil & Gas USA, LLC / STICKNEY (07 087) A	Choconut Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	12/20/2023
Repsol Oil & Gas USA, LLC / STORCH (01 099) S	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2017	9/25/2022
Repsol Oil & Gas USA, LLC / STORCH (03 035) D	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2020	6/9/2025
Repsol Oil & Gas USA, LLC / Strange	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/27/2015	4/2/2022
Repsol Oil & Gas USA, LLC / STROPE (05 026) G	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	8/26/2020
Repsol Oil & Gas USA, LLC / Sugar Creek (Hoffman)	West Burlington Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/9/2017	3/31/2022
Repsol Oil & Gas USA, LLC / Susquehanna River - Thrush	Sheshequin Township	PA	SW	Crude Petroleum and Natural Gas Extraction	09/08/2016, 09/18/2020	09/30/2020, 09/30/2025
Repsol Oil & Gas USA, LLC / Susquehanna River - Welles	Terry Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/30/2023
Repsol Oil & Gas USA, LLC / TAYLOR BUCKHORN LAND CO (07 010)	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2018	5/21/2023
Repsol Oil & Gas USA, LLC / THOMAS (01 001) FT	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / THOMAS (01 002) FT	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / THOMAS (01 038) FT	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/21/2019	5/21/2024
Repsol Oil & Gas USA, LLC / THORNE (07 080) G	Apolacon Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	6/17/2023
Repsol Oil & Gas USA, LLC / THORP (03 049) D	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/23/2021
Repsol Oil & Gas USA, LLC / Towanda Creek - Franklin Twp. Volunteer Fire Department	Franklin Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/16/2017	6/30/2022

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Repsol Oil & Gas USA, LLC / TRAVER (07 081) E	Choconut Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	6/17/2023
Repsol Oil & Gas USA, LLC / TWIN RIDGE (02 185)	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/13/2018	4/13/2023
Repsol Oil & Gas USA, LLC / TWL ASSOC (01 016)	Armenia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / UGLIUZZA (05 006) L	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/26/2022
Repsol Oil & Gas USA, LLC / UHOUSE (05 081) D	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2016	2/8/2021
Repsol Oil & Gas USA, LLC / UNT to North Branch Sugar Creek	Columbia Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Repsol Oil & Gas USA, LLC / UPHAM (05 129) R	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	10/18/2022
Repsol Oil & Gas USA, LLC / VANBLARCOM (03 004) R	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Repsol Oil & Gas USA, LLC / VANBLARCOM (03 054) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/1/2015	5/15/2022
Repsol Oil & Gas USA, LLC / VANBLARCOM (03 113) R	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2016	8/1/2023
Repsol Oil & Gas USA, LLC / WALTERS (05 001) J	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/27/2021
Repsol Oil & Gas USA, LLC / Wappasening Creek - Adriance	Windham Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/6/2019	9/30/2024
Repsol Oil & Gas USA, LLC / Wappasening Creek - Antisdell	Windham Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2018	9/30/2023
Repsol Oil & Gas USA, LLC / WARNER (05 121) W	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/17/2019	6/17/2024
Repsol Oil & Gas USA, LLC / WARNER VALLEY FARM LLC (05 002)	Pike Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/29/2020
Repsol Oil & Gas USA, LLC / WATKINS (03 052) M	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	11/17/2020
Repsol Oil & Gas USA, LLC / WATSON (03 051) B	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/26/2020
Repsol Oil & Gas USA, LLC / WEBSTER T1	Orange Town	NY	CU	Crude Petroleum and Natural Gas Extraction	5/27/2020	5/27/2025
Repsol Oil & Gas USA, LLC / WHEATON (05 223) W	Windham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/28/2015	11/29/2020
Repsol Oil & Gas USA, LLC / WHITE (03 025) E	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/6/2015	6/25/2022
Repsol Oil & Gas USA, LLC / WILBER (03 065) W	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/30/2020	7/30/2025

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Repsol Oil & Gas USA, LLC / Wilcox #1	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/09/2019, 07/30/2020	12/09/2024, 12/09/2024
Repsol Oil & Gas USA, LLC / WILLIAMS (01 041/042) R	Troy Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2019	6/24/2024
Repsol Oil & Gas USA, LLC / WRAY (03 058) M	Wells Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/6/2015	6/15/2022
Repsol Oil & Gas USA, LLC / Wyalusing Creek	Stevens Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/31/2023
Repsol Oil & Gas USA, LLC / YORK (07 088) R	Little Meadows Borough	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2019	2/11/2024
Repsol Oil & Gas USA, LLC / YOUNG (05 080) R	Warren Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	7/22/2020
Repsol Oil & Gas USA, LLC / YURKANIN (03 014) J	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/14/2020	9/14/2025
Repsol Oil & Gas USA, LLC / ZIEGLER (03 001) E	Columbia Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Repsol Oil & Gas USA, LLC / ZIMMERLI (05 074) D	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	9/20/2022
Republic Services of Pennsylvania, LLC / Modern Landfill	Windsor Township	PA	GW	Solid Waste Landfill	9/8/2016	9/30/2031
RES Coal LLC / Clearfield Creek	Boggs Township	PA	SW	Coal Mining	6/7/2012	6/6/2027
RG Services LLC / Regents' Glen Country Club	Spring Garden Township	PA	GW,CU,SW	Golf Courses and Country Clubs	07/10/1997, 06/14/2001, 05/12/2020	07/10/2022, 07/10/2022, 07/10/2022
Rich Valley Golf, Inc. / Rich Valley Golf Course	Silver Spring Township	PA	SW,CU	Golf Courses and Country Clubs	03/11/1999, 05/12/2020	03/11/2024, 03/11/2024
Rising Sun, Town of / Rising Sun, Town of	Rising Sun District	MD	SW	Water Supply and Irrigation Systems	12/8/2016	3/31/2038
River Valley Country Club / River Valley Country Club	Westfield Township	PA	CU	Golf Courses and Country Clubs	06/12/2002, 06/12/2020	06/12/2027, 06/12/2027
RMGL Holdings LLC / Royal Manchester Golf Links	East Manchester Township	PA	CU	Golf Courses and Country Clubs	6/14/2006	6/14/2031
Rockdale Marcellus, LLC / Barner 709	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	1/30/2024
Rockdale Marcellus, LLC / Bear Claw	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2020	1/20/2025
Rockdale Marcellus, LLC / Castle 113D	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Rockdale Marcellus, LLC / Clegg 722	McNett Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	7/28/2022
Rockdale Marcellus, LLC / Cochran 705	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/7/2022

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Rockdale Marcellus, LLC / East Point Fish & Game Club 726	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	10/8/2020
Rockdale Marcellus, LLC / Fitch 115-1H	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2020	1/20/2025
Rockdale Marcellus, LLC / Foti 721	McNett Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	7/28/2021
Rockdale Marcellus, LLC / Greenwood Hunting Lodge 427	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Rockdale Marcellus, LLC / Groff 720	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	12/13/2020
Rockdale Marcellus, LLC / Guillaume 714	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/19/2017	6/22/2024
Rockdale Marcellus, LLC / Guillaume 715	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/1/2020
Rockdale Marcellus, LLC / Guindon 706	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/8/2020
Rockdale Marcellus, LLC / Harer 713	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/19/2017	6/18/2024
Rockdale Marcellus, LLC / Hedrick 702	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/6/2015	7/27/2020
Rockdale Marcellus, LLC / Heuer 701	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	10/7/2020
Rockdale Marcellus, LLC / Heyler 748	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	8/6/2021
Rockdale Marcellus, LLC / Hickok-114	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2019	3/11/2024
Rockdale Marcellus, LLC / Ingalls 710	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/20/2020
Rockdale Marcellus, LLC / Kindon 374	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	10/4/2022
Rockdale Marcellus, LLC / Lovell 707	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/19/2017	6/18/2024
Rockdale Marcellus, LLC / Lycoming Creek	McIntyre Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/6/2019	9/5/2024
Rockdale Marcellus, LLC / Lynn 719	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2017	7/11/2023
Rockdale Marcellus, LLC / Marshall Brothers Inc 731	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	12/29/2020
Rockdale Marcellus, LLC / McNett 708	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	8/3/2022
Rockdale Marcellus, LLC / Miller 116D	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025

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Rockdale Marcellus, LLC / Neal 375	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	12/28/2020
Rockdale Marcellus, LLC / Palmer 112	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2020	1/17/2025
Rockdale Marcellus, LLC / Parent 749	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	12/28/2021
Rockdale Marcellus, LLC / Parker 727	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/22/2015	3/21/2024
Rockdale Marcellus, LLC / Red Run Mountain 736	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2020	6/9/2025
Rockdale Marcellus, LLC / Red Run Mountain Inc 739	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	10/5/2021
Rockdale Marcellus, LLC / Sawyer 376	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	7/19/2021
Rockdale Marcellus, LLC / Schmelzle 703	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	9/15/2022
Rockdale Marcellus, LLC / Spencer 729	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	9/15/2021
Rockdale Marcellus, LLC / Swingle 725	Canton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/29/2020
Rockdale Marcellus, LLC / Taylor 718	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/8/2021
Rockdale Marcellus, LLC / Wesneski 724	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/8/2020
Rockdale Marcellus, LLC / Westerbaan 723	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	7/14/2022
Rockdale Marcellus, LLC / Yaggie 704	Union Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	6/29/2020
Rockdale Marcellus, LLC / Zeafra 747	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2020	9/3/2025
ROGC Golf Partners, L.P. / Royal Oaks Golf Club	North Cornwall Township	PA	CU,GW	Golf Courses and Country Clubs	02/21/2002, 05/12/2020, 08/15/2002	02/21/2027, 02/21/2027, 08/15/2027
Rohrer's Quarry Inc. / Rohrer's Quarry Inc.	Warwick Township	PA	CU	Stone Mining and Quarrying	08/14/2003, 06/12/2020	08/14/2028, 08/14/2028
Rutter Bros. Dairy, Inc. / Rutter's Dairy, Inc.	Manchester Township	PA	CU	Beverage Manufacturing	9/29/2017	9/28/2032
S.T.L. Resources, LLC / Sturgis Pad	Gallagher Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/1/2018	2/1/2023
S.T.L. Resources, LLC / West Branch Susquehanna River	Grugan Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/18/2020	9/17/2025
Saddleview Properties LLC / Stone Hedge Country Club	Tunkhannock Township	PA	CU	Golf Courses and Country Clubs	10/11/2001, 05/29/2020	10/11/2026, 10/11/2026

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Safe Harbor Water Power Corporation / Safe Harbor Hydroelectric Project	Manor Township	PA	NULL	Hydroelectric Power Generation	5/21/1998	5/21/2023
Sand Springs Development Corp. / Sand Springs Development Corp.-Sand Springs Golf Community	Butler Township	PA	GW,CU	Golf Courses and Country Clubs	04/10/2003, 03/13/2008, 05/29/2020	04/10/2028, 04/10/2028, 04/10/2028
Saxton Borough Municipal Authority / Raystown Branch Juniata River	Liberty Township	PA	NULL	Water Supply and Irrigation Systems	8/31/2017	7/2/2026
Saxton Borough Municipal Authority / Saxton Borough Municipal Authority	Carbon Township	PA	NULL	Water Supply and Irrigation Systems	7/2/2001	7/2/2026
Schreiber Foods, Inc. / Schreiber Foods, Inc.	Shippensburg Borough	PA	CU	Cheese Manufacturing	1/13/2016	1/13/2031
Schuylkill County Municipal Authority / Schuylkill County Municipal Authority	Butler Township	PA	GW,CU	Water Supply and Irrigation Systems	01/12/1995, 09/09/1999, 06/18/2009, 06/18/2009	01/12/2025, 09/09/2024, 06/18/2024, 06/18/2024
Schuylkill Energy Resources, Inc. / Schuylkill Energy Resources, Inc.	Mahanoy Township	PA	GW	Electric Power Generation	12/6/2018	12/31/2033
Selinsgrove Municipal Authority / Selinsgrove, Borough of	Penn Township	PA	GW	Water Supply and Irrigation Systems	09/12/1991, 05/11/1995	09/12/2021, 05/11/2025
Seneca Resources Company, LLC / 212 1H	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/16/2020	1/16/2025
Seneca Resources Company, LLC / 235A 1H	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	01/16/2020, 10/30/2009	1/16/2025
Seneca Resources Company, LLC / Allen 264	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	02/16/2020, 10/26/2009, 10/26/2009, 10/26/2009, 10/26/2009	2/16/2025
Seneca Resources Company, LLC / Anthony 564	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	6/29/2020
Seneca Resources Company, LLC / Appold 493	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	8/18/2020
Seneca Resources Company, LLC / Arnot No. 5 (Signor)	Bloss Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/8/2018	3/31/2023
Seneca Resources Company, LLC / B09-I	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/10/2019	12/10/2024
Seneca Resources Company, LLC / Baker 128	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2014	1/8/2022
Seneca Resources Company, LLC / Baker 897	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	8/11/2022
Seneca Resources Company, LLC / Baldwin 881	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	7/21/2022

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Seneca Resources Company, LLC / Barbine 292	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	6/4/2020
Seneca Resources Company, LLC / Barrett 410	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	11/16/2021
Seneca Resources Company, LLC / Bartlett 531	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	3/29/2022
Seneca Resources Company, LLC / Bauer 849	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	8/6/2020
Seneca Resources Company, LLC / Becker 404	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/5/2020	2/5/2025
Seneca Resources Company, LLC / Bielski 628	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	1/13/2023
Seneca Resources Company, LLC / Boroch 477	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/9/2016	2/16/2023
Seneca Resources Company, LLC / Bowers 408	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Seneca Resources Company, LLC / Bradford 481	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/21/2018	9/21/2023
Seneca Resources Company, LLC / Breon 492	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/22/2015	5/28/2022
Seneca Resources Company, LLC / Brewer 258	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	12/9/2020
Seneca Resources Company, LLC / Broadbent 466	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	6/22/2022
Seneca Resources Company, LLC / Brown 425	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Seneca Resources Company, LLC / Bryan 406	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	10/8/2021
Seneca Resources Company, LLC / Buckwalter 429	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	12/23/2022
Seneca Resources Company, LLC / Burke 285	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	9/23/2020
Seneca Resources Company, LLC / Burleigh 508	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	10/14/2021
Seneca Resources Company, LLC / Burt 518	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2015	2/22/2022
Seneca Resources Company, LLC / Busia 457	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	03/10/2020, 10/30/2009	3/10/2025
Seneca Resources Company, LLC / Butler 127	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Seneca Resources Company, LLC / Butler 853	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	3/23/2021

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Seneca Resources Company, LLC / Button 402	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	11/16/2021
Seneca Resources Company, LLC / Byrne 510	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/13/2020
Seneca Resources Company, LLC / C09-J	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2020	9/8/2025
Seneca Resources Company, LLC / Camp Never Too Late 521	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	6/22/2022
Seneca Resources Company, LLC / Cascarino 443	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2020	5/11/2025
Seneca Resources Company, LLC / Chapman 237	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Seneca Resources Company, LLC / Chappell 855	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2016	10/13/2023
Seneca Resources Company, LLC / Charles Stock 144	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/9/2014	1/8/2022
Seneca Resources Company, LLC / Clark 392	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	8/3/2020
Seneca Resources Company, LLC / Clark 486	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/4/2015	4/16/2022
Seneca Resources Company, LLC / Clermont Pad D	Jones Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2019	3/25/2024
Seneca Resources Company, LLC / Cleveland 616	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	7/26/2022
Seneca Resources Company, LLC / Cole 236	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Seneca Resources Company, LLC / Cole 495	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/9/2016	2/16/2021
Seneca Resources Company, LLC / Coolidge 464	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/9/2014	1/9/2022
Seneca Resources Company, LLC / Cooper 400	Tioga Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
Seneca Resources Company, LLC / COP Pad A	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	5/18/2022
Seneca Resources Company, LLC / COP Pad B	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	6/14/2022
Seneca Resources Company, LLC / COP Pad C	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	8/6/2020
Seneca Resources Company, LLC / COP Pad J	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	9/8/2022
Seneca Resources Company, LLC / COP Pad N	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	3/4/2023

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Seneca Resources Company, LLC / COP Pad O	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	3/22/2021
Seneca Resources Company, LLC / COP Pad P	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	9/9/2021
Seneca Resources Company, LLC / COP Pad S	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2016	3/22/2023
Seneca Resources Company, LLC / Costanzo 818	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	6/29/2022
Seneca Resources Company, LLC / Cotton Hanlon 595	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/2/2016	12/2/2023
Seneca Resources Company, LLC / Courtney 129 1H-2H	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2020	1/17/2025
Seneca Resources Company, LLC / Courtney H 255-1H	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/17/2020	1/17/2025
Seneca Resources Company, LLC / Covington Pad L	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2015	8/11/2020
Seneca Resources Company, LLC / Covington Pad M	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/21/2016	2/25/2023
Seneca Resources Company, LLC / Cowanesque River - Deerfield	Deerfield Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/08/2016, 09/07/2018	12/07/2020, 12/07/2020
Seneca Resources Company, LLC / Cowanesque River - Westfield	Westfield Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
Seneca Resources Company, LLC / Cowanesque River (Egleston)	Nelson Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/31/2023
Seneca Resources Company, LLC / Crittenden 593	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	12/13/2022
Seneca Resources Company, LLC / Cruttenden 846	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	6/23/2022
Seneca Resources Company, LLC / CRV D08-Pad G	Norwich Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/13/2019	6/13/2024
Seneca Resources Company, LLC / CRV Pad C08-X	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/26/2019	6/26/2024
Seneca Resources Company, LLC / CRV Pad C09-D	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
Seneca Resources Company, LLC / CRV Pad C09-G	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/12/2019	8/12/2024
Seneca Resources Company, LLC / Cummings 823	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
Seneca Resources Company, LLC / D.M. Pino Pad H	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Seneca Resources Company, LLC / D08-M	Norwich Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/22/2015	7/22/2021

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Seneca Resources Company, LLC / D09-K	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2019	9/3/2024
Seneca Resources Company, LLC / D09-M	Jones Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2020	1/28/2025
Seneca Resources Company, LLC / Dandois 482	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2015	5/12/2022
Seneca Resources Company, LLC / Davis 829	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	8/6/2022
Seneca Resources Company, LLC / DCNR 007 Pad G	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	5/25/2021
Seneca Resources Company, LLC / DCNR 007 Pad K	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/25/2016	12/13/2023
Seneca Resources Company, LLC / DCNR 100 PAD B	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	7/15/2023
Seneca Resources Company, LLC / DCNR 100 Pad C	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	2/8/2021
Seneca Resources Company, LLC / DCNR 100 Pad D	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	2/4/2023
Seneca Resources Company, LLC / DCNR 100 PAD E	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	5/18/2021
Seneca Resources Company, LLC / DCNR 100 Pad G	McIntyre Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2016	8/19/2023
Seneca Resources Company, LLC / DCNR 100 Pad N	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/27/2017	7/13/2022
Seneca Resources Company, LLC / DCNR 100 Pad P	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/27/2017	5/18/2024
Seneca Resources Company, LLC / DCNR 100 Pad R	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/15/2017	4/15/2023
Seneca Resources Company, LLC / DCNR 100 Pad T	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2017	1/30/2023
Seneca Resources Company, LLC / DCNR 595 PAD C	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2016	3/28/2021
Seneca Resources Company, LLC / DCNR 595 Pad D	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/25/2019	11/25/2024
Seneca Resources Company, LLC / DCNR 595 Pad E	Blossburg Borough	PA	CU	Crude Petroleum and Natural Gas Extraction	4/14/2020	4/14/2025
Seneca Resources Company, LLC / DCNR 595 Pad G	Blossburg Borough	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	7/15/2023
Seneca Resources Company, LLC / DCNR 595 Pad L	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	8/19/2023
Seneca Resources Company, LLC / DCNR Tract 001 1H	Sweden Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	8/23/2022

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Seneca Resources Company, LLC / DCNR Tract 007 Pad C	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/18/2019	3/18/2024
Seneca Resources Company, LLC / DCNR Tract 007 Pad D	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/12/2018	7/12/2023
Seneca Resources Company, LLC / DCNR Tract 100 5H	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	4/21/2022
Seneca Resources Company, LLC / DCNR Tract 595 Pad F	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2015	8/9/2021
Seneca Resources Company, LLC / DCNR Tract 595 Pad I	Bloss Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2015	8/9/2022
Seneca Resources Company, LLC / Delaney 651	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/23/2017	9/24/2023
Seneca Resources Company, LLC / Dewey Hollow Rod & Gun Club 601	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	7/29/2022
Seneca Resources Company, LLC / Doan 893	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	6/21/2020
Seneca Resources Company, LLC / Drake 274	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	6/9/2021
Seneca Resources Company, LLC / Edkin 499	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2018	4/24/2024
Seneca Resources Company, LLC / Elk Run	Sullivan Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/6/2022
Seneca Resources Company, LLC / Empson 235-1H	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Seneca Resources Company, LLC / Empson 899	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	9/23/2022
Seneca Resources Company, LLC / Erickson 423	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	6/7/2022
Seneca Resources Company, LLC / Erickson 448	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/27/2015	9/10/2022
Seneca Resources Company, LLC / Fish 301	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	8/6/2020
Seneca Resources Company, LLC / Fish 826	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/8/2020
Seneca Resources Company, LLC / Flack 502	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/20/2018	4/19/2024
Seneca Resources Company, LLC / Fowler 6707	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2015	4/5/2022
Seneca Resources Company, LLC / Frost 573	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/8/2020
Seneca Resources Company, LLC / Fuleihan 417	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	8/11/2020

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Seneca Resources Company, LLC / Fuller 826	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	6/24/2023
Seneca Resources Company, LLC / Gamble Pad A	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/4/2016	10/20/2023
Seneca Resources Company, LLC / Gamble Pad C Alt	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/2/2016	5/2/2023
Seneca Resources Company, LLC / Gamble Pad I	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2015	11/6/2020
Seneca Resources Company, LLC / Gamble Pad J	Gamble Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/6/2015	11/6/2021
Seneca Resources Company, LLC / Gamble Pad K	Lewis Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2018	9/30/2023
Seneca Resources Company, LLC / Gamble Pad O	Hepburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/14/2019	3/14/2024
Seneca Resources Company, LLC / Gamble Pad P	Hepburn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
Seneca Resources Company, LLC / Gamble Pad R	Eldred Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/3/2016	6/3/2021
Seneca Resources Company, LLC / Gee 832	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2015	4/26/2022
Seneca Resources Company, LLC / Gee 848V	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/28/2015	7/27/2020
Seneca Resources Company, LLC / Gee 848W	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2015	8/26/2020
Seneca Resources Company, LLC / GHC Pad A	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	9/3/2021
Seneca Resources Company, LLC / Hackman 143	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Seneca Resources Company, LLC / Halteman 611	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Seneca Resources Company, LLC / Hamblin 860	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	7/28/2020
Seneca Resources Company, LLC / Harsell 883	Nelson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	7/20/2020
Seneca Resources Company, LLC / Hauswirth 516	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	6/23/2020
Seneca Resources Company, LLC / Hazelton 424	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	6/8/2022
Seneca Resources Company, LLC / Heath 418	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	10/7/2022
Seneca Resources Company, LLC / Hector 2	Hector Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	5/25/2021

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Seneca Resources Company, LLC / Hege 426	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2015	6/7/2022
Seneca Resources Company, LLC / Hepler 235	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/27/2017	4/23/2024
Seneca Resources Company, LLC / Hitesman 580	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	12/27/2022
Seneca Resources Company, LLC / Hotchkiss 472	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	9/10/2020
Seneca Resources Company, LLC / Houck 433	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	12/9/2021
Seneca Resources Company, LLC / Howe 257	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	10/7/2021
Seneca Resources Company, LLC / Hudson 575	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	10/15/2020
Seneca Resources Company, LLC / Hungerford 458	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	10/19/2021
Seneca Resources Company, LLC / I G Coveney Revocable LVG Trust 282	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	12/20/2022
Seneca Resources Company, LLC / Impoundment 1 (Norwich Twp, McKean County)	Norwich Township	PA	DIV	Crude Petroleum and Natural Gas Extraction	12/5/2019	12/31/2034
Seneca Resources Company, LLC / J. Pino Pad G	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Seneca Resources Company, LLC / Jenkins 523	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Seneca Resources Company, LLC / Johnson 434	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/11/2020	6/11/2025
Seneca Resources Company, LLC / Johnson 435	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2020	3/30/2025
Seneca Resources Company, LLC / Kalke 819	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/17/2016	9/10/2022
Seneca Resources Company, LLC / Kennedy 137	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/16/2014	1/8/2022
Seneca Resources Company, LLC / Kinnan 845	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/19/2015	8/19/2022
Seneca Resources Company, LLC / Kipferl 261-1H	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2020	1/20/2025
Seneca Resources Company, LLC / Klettlinger 294	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/9/2015	9/10/2020
Seneca Resources Company, LLC / Knight 271-1H	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/5/2020	2/5/2025

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Seneca Resources Company, LLC / Knowlton 303	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	1/13/2021
Seneca Resources Company, LLC / Kreitzer 505	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	2/28/2024
Seneca Resources Company, LLC / Kuhl 529	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	2/16/2023
Seneca Resources Company, LLC / Lange 447	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2020	5/17/2025
Seneca Resources Company, LLC / Lehmann Pad K	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2015	7/28/2022
Seneca Resources Company, LLC / Lingle 1102	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	9/10/2022
Seneca Resources Company, LLC / Lopatofsky 287	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/22/2022
Seneca Resources Company, LLC / M L Mitchell Trust 554	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2016	3/17/2023
Seneca Resources Company, LLC / Maneval 296	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	7/15/2022
Seneca Resources Company, LLC / Marsh Creek - Brooks	Delmar Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/6/2019	9/30/2024
Seneca Resources Company, LLC / Martin 421	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/22/2020
Seneca Resources Company, LLC / Martin 806	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	6/23/2022
Seneca Resources Company, LLC / Matz 824	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/7/2020
Seneca Resources Company, LLC / McClure 527	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/16/2014	1/10/2022
Seneca Resources Company, LLC / Miller 394	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	8/3/2022
Seneca Resources Company, LLC / Mitchell 456	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2015	6/4/2022
Seneca Resources Company, LLC / Murdock 862	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/8/2022
Seneca Resources Company, LLC / Murray Pad A	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2015	3/10/2022
Seneca Resources Company, LLC / My TB INV LLC 6076	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/6/2017	2/6/2024
Seneca Resources Company, LLC / MY TB INV LLC 891	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	2/10/2021
Seneca Resources Company, LLC / Neal 134D	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/20/2020	1/20/2025

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Seneca Resources Company, LLC / Neal 815	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	11/22/2022
Seneca Resources Company, LLC / Nestor 551	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/15/2022
Seneca Resources Company, LLC / Newlin 476	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/15/2015	5/3/2022
Seneca Resources Company, LLC / Old Possessions Hunting Club 485	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/22/2015	8/17/2022
Seneca Resources Company, LLC / Oldroyd 509	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	12/14/2021
Seneca Resources Company, LLC / Ostrander 412	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
Seneca Resources Company, LLC / Owlett 843	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	9/13/2022
Seneca Resources Company, LLC / Pannebaker 515	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Seneca Resources Company, LLC / Parthemer 284	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
Seneca Resources Company, LLC / Patterson 570	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	9/24/2020
Seneca Resources Company, LLC / Pazzaglia 507	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
Seneca Resources Company, LLC / PHC 11V	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Seneca Resources Company, LLC / PHC 20V	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Seneca Resources Company, LLC / PHC 21V	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/22/2015	4/15/2022
Seneca Resources Company, LLC / PHC 23H/24H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Seneca Resources Company, LLC / PHC 28H/29H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2019	10/21/2024
Seneca Resources Company, LLC / PHC 2H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2021
Seneca Resources Company, LLC / PHC 3H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2019	4/11/2024
Seneca Resources Company, LLC / PHC 4H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/7/2019	5/7/2024
Seneca Resources Company, LLC / PHC 5H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/7/2019	5/7/2024
Seneca Resources Company, LLC / PHC 6H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024

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Seneca Resources Company, LLC / PHC 7H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Seneca Resources Company, LLC / PHC 8H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
Seneca Resources Company, LLC / PHC 9H	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/7/2019	5/7/2024
Seneca Resources Company, LLC / PHC Pad A	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/22/2015	3/29/2022
Seneca Resources Company, LLC / PHC Pad B	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/25/2015	3/29/2022
Seneca Resources Company, LLC / PHC Pad BB	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2016	3/22/2021
Seneca Resources Company, LLC / PHC Pad Q	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/30/2020	6/30/2025
Seneca Resources Company, LLC / PHC Pad R	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/21/2015	6/23/2022
Seneca Resources Company, LLC / PHC Pad S	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	9/8/2020
Seneca Resources Company, LLC / PHC Pad T	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/26/2015	9/9/2022
Seneca Resources Company, LLC / PHC Pad Z	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	3/22/2023
Seneca Resources Company, LLC / Phillips 504	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Seneca Resources Company, LLC / Pichler 1H	Jay Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	9/17/2022
Seneca Resources Company, LLC / PPHC Pad B	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/24/2015	3/22/2021
Seneca Resources Company, LLC / Propheta 288	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/30/2022
Seneca Resources Company, LLC / Redl 600	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	10/7/2020
Seneca Resources Company, LLC / Reese 289	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	7/19/2022
Seneca Resources Company, LLC / Rich Valley Pad E	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/22/2016	7/15/2023
Seneca Resources Company, LLC / Rich Valley Pad F	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/4/2019	2/4/2024
Seneca Resources Company, LLC / Rich Valley Pad G	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/4/2019	2/4/2024
Seneca Resources Company, LLC / Root #1	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/25/2016	5/25/2023

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Seneca Resources Company, LLC / Salevsky 335	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/11/2016	3/25/2023
Seneca Resources Company, LLC / Sampson 147 1H-3H	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	02/11/2020, 10/30/2009	2/11/2025
Seneca Resources Company, LLC / Sanchis 1129	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/24/2016	5/24/2021
Seneca Resources Company, LLC / Scheible 898	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/6/2017	12/23/2023
Seneca Resources Company, LLC / Schildt 259	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	10/27/2021
Seneca Resources Company, LLC / Schimmel 830	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/22/2022
Seneca Resources Company, LLC / Seeley 524	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	7/28/2022
Seneca Resources Company, LLC / Sevem 474	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/29/2022
Seneca Resources Company, LLC / Seymour 599	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	9/15/2020
Seneca Resources Company, LLC / SGL 90 E Pad	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	12/21/2021
Seneca Resources Company, LLC / SGL 90A Pad	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/27/2015	8/30/2020
Seneca Resources Company, LLC / SGL 90C Pad	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	11/10/2022
Seneca Resources Company, LLC / SGL 90D Pad	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/27/2015	3/22/2023
Seneca Resources Company, LLC / Sharretts 805	Clymer Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/17/2015	2/25/2022
Seneca Resources Company, LLC / Shaw Trust 500	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/29/2020
Seneca Resources Company, LLC / Shelman 291	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2015	6/17/2022
Seneca Resources Company, LLC / Sherman 234-1H	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Seneca Resources Company, LLC / Sherman 492W	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/30/2018	11/30/2023
Seneca Resources Company, LLC / Showalter 822	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/13/2016	5/24/2023
Seneca Resources Company, LLC / Shughart 490	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/28/2019	5/28/2024
Seneca Resources Company, LLC / Shughart 534	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/28/2019	5/28/2024

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Seneca Resources Company, LLC / Signor 566	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	10/19/2022
Seneca Resources Company, LLC / Signor 578	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	10/13/2022
Seneca Resources Company, LLC / Signor 583	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/23/2020
Seneca Resources Company, LLC / Smith 253 1H	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2020	1/29/2025
Seneca Resources Company, LLC / Smith 589	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/22/2020
Seneca Resources Company, LLC / Smithgall 293	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	10/20/2020
Seneca Resources Company, LLC / Soderberg 501	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	10/6/2021
Seneca Resources Company, LLC / Sorensen 876	Osceola Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	7/9/2020
Seneca Resources Company, LLC / SSHC Pad A	Lawrence Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/23/2015	9/13/2020
Seneca Resources Company, LLC / Stanley 1106	Osceola Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/11/2016	2/16/2021
Seneca Resources Company, LLC / Starks 460	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	12/14/2021
Seneca Resources Company, LLC / Starks 461	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	11/16/2021
Seneca Resources Company, LLC / Stefanowich 269-1H	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
Seneca Resources Company, LLC / Stehmer 420	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Seneca Resources Company, LLC / Sterling 525	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Seneca Resources Company, LLC / Stevens 142	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/16/2014	1/8/2022
Seneca Resources Company, LLC / Sticklin 610	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2015	7/28/2020
Seneca Resources Company, LLC / Stratton 885	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	1/13/2023
Seneca Resources Company, LLC / Susquehanna River - Welles	Sheshequin Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/8/2018	3/31/2023
Seneca Resources Company, LLC / Swan 1122	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	4/28/2023
Seneca Resources Company, LLC / Swingle 591	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	12/13/2020

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Seneca Resources Company, LLC / Synnestvedt 878	Osceola Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/7/2022
Seneca Resources Company, LLC / T. Wivell Horizontal Pad	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/19/2019	8/19/2024
Seneca Resources Company, LLC / Taft 851	Middlebury Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	7/15/2022
Seneca Resources Company, LLC / Thomas 503	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/3/2015	7/16/2020
Seneca Resources Company, LLC / Thomas 503R	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/10/2020	3/10/2025
Seneca Resources Company, LLC / Tice 653	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/28/2019	5/28/2024
Seneca Resources Company, LLC / Tolbert 263	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/27/2017	1/25/2024
Seneca Resources Company, LLC / Topf 416	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/22/2015	4/23/2022
Seneca Resources Company, LLC / Torpy & Van Order Inc 574	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	11/16/2020
Seneca Resources Company, LLC / Valldes Pad C	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2015	6/7/2022
Seneca Resources Company, LLC / Vandergrift 290	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2020	7/8/2025
Seneca Resources Company, LLC / Vanvliet 614	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	12/21/2020
Seneca Resources Company, LLC / Violet Bieser Revoc Liv Tr 833	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2016	1/14/2023
Seneca Resources Company, LLC / Walker 438	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
Seneca Resources Company, LLC / Warren Pad B	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/8/2020	7/8/2025
Seneca Resources Company, LLC / Waskiewicz 445	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2020	5/13/2025
Seneca Resources Company, LLC / Watkins 820	Chatham Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/10/2016	6/14/2021
Seneca Resources Company, LLC / Webster 549	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	3/22/2022
Seneca Resources Company, LLC / Weiner 882	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/2/2016	3/25/2021
Seneca Resources Company, LLC / West 299	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Seneca Resources Company, LLC / Westbrook 487	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	10/19/2020

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Seneca Resources Company, LLC / Wheeler 268-1H	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/5/2020	2/5/2025
Seneca Resources Company, LLC / White 262-1H	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
Seneca Resources Company, LLC / Wilcox Pad F	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/13/2019	5/13/2024
Seneca Resources Company, LLC / Willard 419-1H	Delmar Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Seneca Resources Company, LLC / Wilson 283	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	12/23/2020
Seneca Resources Company, LLC / Wivell Pad I	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/29/2015	6/2/2022
Seneca Resources Company, LLC / Wolfe 1114	Nelson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	7/27/2022
Seneca Resources Company, LLC / Wolfinger Pad A	Saint Marys City	PA	CU	Crude Petroleum and Natural Gas Extraction	9/30/2014	8/11/2021
Seneca Resources Company, LLC / Wood 496	Richmond Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/20/2015	9/7/2022
Seneca Resources Company, LLC / Wood 512	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/4/2015	4/9/2022
Seneca Resources Company, LLC / Wood 513	Rutland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/19/2014	1/8/2022
Seneca Resources Company, LLC / Wood 626	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/20/2016	6/10/2023
Seneca Resources Company, LLC / Wood 874	Deerfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/17/2015	7/21/2020
Seneca Resources Company, LLC / Worden 571	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2015	9/22/2022
Seneca Resources Company, LLC / York 480-5H	Sullivan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/15/2020	3/15/2025
Seneca Resources Company, LLC / Young 431	Shippen Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2015	5/31/2022
Seneca Resources Company, LLC / Yourgalite 1119	Farmington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	12/28/2020
Seneca Resources Company, LLC / Yungwirth 307	Charleston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/7/2014	11/16/2021
Seneca Resources Company, LLC / Zimmer 586	Covington Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2016	10/19/2022
Shade Mountain Golf Course / Shade Mountain Golf Course	Franklin Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 05/29/2020	10/10/2027, 10/10/2027
Shadow Ranch and Resort Inc. / Shadowbrook Golf Course	Tunkhannock Township	PA	SW, CU	Golf Courses and Country Clubs	06/12/2002, 06/12/2020	06/12/2027, 06/12/2027

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Shadow Ranch Resort, Inc. / Tunkhannock Creek - Shadowbrook Resort	Tunkhannock Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
Shamokin Dam Borough / Susquehanna River	Shamokin Dam Borough	PA	NULL	Water Supply and Irrigation Systems	9/8/2016	9/8/2041
Sherburne, Village of / Sherburne, Village of	Sherburne Town	NY	GW	Water Supply and Irrigation Systems	09/14/2005, 06/14/2006	09/14/2030, 06/14/2031
Shippensburg Borough Authority / Shippensburg Borough Authority	Southampton Township	PA	GW	Water Supply and Irrigation Systems	07/12/1990, 05/12/1994, 10/12/2005, 03/14/2007, 09/18/2020	07/12/2020, 05/12/2024, 07/26/2024, 03/14/2022, 09/30/2035
Shippensburg University / Shippensburg University	Shippensburg Township	PA	CU	Colleges, Universities, and Professional Schools	04/11/2002, 10/09/2003	04/11/2027, 04/11/2027
Shrewsbury Borough / Shrewsbury, Borough of	Shrewsbury Township	PA	GW	Water Supply and Irrigation Systems	05/11/1989, 01/18/1990, 05/14/1992, 03/10/2004, 09/10/2015	05/11/2019, 01/18/2020, 05/14/2022, 03/10/2029, 09/30/2030
Sidney, Village of / Sidney, Village of	Sidney Town	NY	GW	Water Supply and Irrigation Systems	02/13/1986, 12/04/2015	02/13/2021, 02/13/2021
Sinking Valley Country Club / Sinking Valley Country Club	Tyrone Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 06/12/2020	08/15/2027, 08/15/2027
Ski Roundtop Operating Corp / Roundtop Mountain Resort	Warrington Township	PA	SW, CU	Skiing Facilities	6/14/2019	12/11/2028
South Middleton Township Municipal Authority / South Middleton Township Municipal Authority	Monroe Township	PA	GW	Water Supply and Irrigation Systems	4/14/1988	4/14/2018
South Slope Development Corporation / Song Mountain Ski Resort	Preble Town	NY	GW, SW, CU	Skiing Facilities	09/12/2007, 05/29/2020	09/12/2022, 09/12/2022
Southern Union Company / PEI Power Corporation	Archbald Borough	PA	SW, CU	Electric Power Generation	04/12/2001, 09/11/2008	04/12/2026, 04/12/2026
Spring Township Water Authority / Spring Township Water Authority	Spring Township	PA	GW	Water Supply and Irrigation Systems	02/06/2003, 06/16/2017	02/06/2028, 06/15/2032
Springwood, LLC / Bridgewater Golf Club	York Township	PA	SW, CU	Golf Courses and Country Clubs	03/13/2008, 04/30/2020	03/13/2023, 03/13/2023
St. Marys Area Water Authority	Saint Marys City	PA	SW	Water Supply and Irrigation Systems	7/10/1997	7/10/2007
State College Borough Water Authority / State College Borough Water Authority	Ferguson Township	PA	GW	Water Supply and Irrigation Systems	01/23/1992, 01/23/1992, 05/13/1993, 09/27/1994, 09/19/2013, 01/20/2017, 03/15/2019	01/23/2022, 01/23/2022, 05/13/2023, 09/27/2024, 09/18/2028, 01/19/2042, 03/31/2034

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Stewartstown Borough Authority / Stewartstown Borough Authority	Hopewell Township	PA	GW	Water Supply and Irrigation Systems	09/16/1993, 03/09/1995, 03/21/2001, 06/14/2019	09/16/2023, 03/09/2025, 03/21/2026, 06/30/2034
Stoney Mountain Springs / Stoney Mountain Springs	Porter Township	PA	CU	Bottled Water Manufacturing	3/29/2005	3/29/2030
Strasburg Borough Authority / Strasburg Borough Authority	Strasburg Township	PA	GW	Water Supply and Irrigation Systems	01/12/1989, 08/21/2018	01/12/2019, 08/21/2033
Suburban Lock Haven Water Authority / Suburban Lock Haven Water Authority	Wayne Township	PA	NULL	Water Supply and Irrigation Systems	7/5/2013	6/25/2038
SUEZ Water Pennsylvania Inc. / Bloomsburg-Mahoning Operation	Mahoning Township	PA	NULL	Water Supply and Irrigation Systems	3/6/2001	4/13/2022
SUEZ Water Pennsylvania Inc. / Center Square Operation	Upper Allen Township	PA	GW	Water Supply and Irrigation Systems	3/15/2019	3/31/2034
SUEZ Water Pennsylvania Inc. / Dallas Operation	Dallas Township	PA	GW	Water Supply and Irrigation Systems	11/10/1988, 03/29/2005, 12/05/2006, 03/09/2017	11/10/2018, 03/29/2030, 03/29/2030, 03/29/2030
SUEZ Water Pennsylvania Inc. / Grantham Operation	Upper Allen Township		GW	Water Supply and Irrigation Systems	11/8/1990	11/8/2020
SUEZ Water Pennsylvania Inc. / Harrisburg Operation	Susquehanna Township	PA	NULL	Water Supply and Irrigation Systems	08/30/2005, 12/04/2017	08/31/2030, 10/18/2042
SUEZ Water Pennsylvania Inc. / Mechanicsburg Operation	Mechanicsburg Borough	PA	SW	Water Supply and Irrigation Systems	1/18/1990	1/29/2040
SUEZ Water Pennsylvania Inc. / Newberry Operation	Newberry Township	PA	GW	Water Supply and Irrigation Systems	01/17/1991, 07/14/1994, 09/10/2009, 06/11/2010, 06/11/2010, 06/16/2016, 06/14/2019	01/17/2021, 07/14/2024, 09/10/2024, 06/10/2025, 06/10/2025, 06/15/2031, 06/30/2034
SUEZ Water Pennsylvania Inc. / Shavertown Operation	Dallas Township	PA	GW	Water Supply and Irrigation Systems	12/8/2017	12/31/2032
Sugar Hollow Water Services LLC / Bowman Creek	Eaton Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Sugar Hollow Water Services LLC / Martins Creek	Hop Bottom Borough	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
Sugar Hollow Water Services LLC / Susquehanna River (Chellis)	Eaton Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/5/2019	12/31/2024
Sunbury Municipal Authority / Sunbury Municipal Authority	Sunbury City	PA	NULL	Water Supply and Irrigation Systems	4/2/2007	4/2/2032

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Sunoco Pipeline L.P. / Altoona Water Authority	Shirley Township	PA	CU	Pipeline Transportation of Natural Gas	8/27/2019	4/28/2024
Sunoco Pipeline L.P. / Conodoguinet Creek	North Middleton Township	PA	SW	Pipeline Transportation of Natural Gas	12/8/2016	12/7/2021
Sunoco Pipeline L.P. / Elverson Water Company, Inc.	Elverson Borough	PA	CU	Pipeline Transportation of Natural Gas	8/29/2019	8/28/2024
Sunoco Pipeline L.P. / Middlesex Township Municipal Authority	Middlesex Township	PA	CU	Pipeline Transportation of Natural Gas	8/16/2019	5/21/2024
Sunoco Pipeline L.P. / Mount Union Municipal Authority	Shirley Township	PA	CU	Pipeline Transportation of Natural Gas	8/27/2019	5/20/2024
Sunoco Pipeline L.P. / PA American Water Company - Hershey District	Lower Swatara Township	PA	CU	Pipeline Transportation of Natural Gas	8/27/2019	8/26/2024
Sunoco Pipeline L.P. / PA American Water Company - Mechanicsburg District	Upper Allen Township	PA	CU	Pipeline Transportation of Natural Gas	8/27/2019	8/26/2024
Sunoco Pipeline L.P. / Susquehanna River	Lower Swatara Township	PA	SW	Pipeline Transportation of Natural Gas	12/8/2016	12/7/2021
Sunset Golf Club LLC / Sunset Golf Club	Oneida Township	PA	CU	Golf Courses and Country Clubs	06/12/2002, 08/14/2003, 04/30/2020	06/12/2027, 06/12/2027, 06/12/2027
Susquehanna Gas Field Services, LLC / Meshoppen Creek	Meshoppen Borough	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/30/2022
Susquehanna Gas Field Services, LLC / Meshoppen Pizza Well	Meshoppen Borough	PA	GW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2033
Susquehanna Gas Field Services, LLC / Susquehanna River	Meshoppen Township	PA	SW	Crude Petroleum and Natural Gas Extraction	6/15/2018	6/30/2023
Susquehanna Nuclear, LLC / Susquehanna Nuclear, LLC	Salem Township	PA	CU,GW,SW	Electric Power Generation	03/09/1995, 09/12/2007, 09/07/2017	03/09/2025, 03/09/2025, 03/09/2025
Susquehanna River Basin Commission / Tioga River	Charleston Township	PA	GW	Crude Petroleum and Natural Gas Extraction	4/1/2014	4/1/2020
Susquehanna Valley Country Club / Susquehanna Valley Country Club	Monroe Township	PA	GW,CU	Golf Courses and Country Clubs	03/13/2020, 06/12/2020	08/15/2027, 08/15/2027
SVC Manufacturing, Inc. / Gatorade - Mountaintop	Wright Township	PA	CU	Food Manufacturing	12/20/2010	12/20/2025
SWN Production Company, LLC / ASNIP-ABODE	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/22/2017	2/8/2024
SWN Production Company, LLC / Ball	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/26/2014	7/19/2020
SWN Production Company, LLC / Bark'em Squirrel Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	7/26/2021
SWN Production Company, LLC / Barnhart Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/30/2017	5/7/2022

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SWN Production Company, LLC / Beaumont Schaunt (GU U)	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/23/2017	7/9/2022
SWN Production Company, LLC / Behrend Pad	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/1/2014	10/18/2020
SWN Production Company, LLC / Bernstein Pad	Clifford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/31/2016	7/26/2021
SWN Production Company, LLC / BIENKO	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/11/2017	3/12/2022
SWN Production Company, LLC / Blaine Hoyd (M Pad)	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/23/2017	7/9/2022
SWN Production Company, LLC / Blye Pad Site	Middletown Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
SWN Production Company, LLC / Bolles South Well Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/4/2017	10/26/2022
SWN Production Company, LLC / BOMAN PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2017	12/14/2022
SWN Production Company, LLC / Broughton	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/12/2016	12/1/2020
SWN Production Company, LLC / Carrar Pad Site	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/14/2020	1/14/2025
SWN Production Company, LLC / Carty Pad Site	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
SWN Production Company, LLC / Carty-Wisemen Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	9/15/2021
SWN Production Company, LLC / Chamberlin	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2014	8/12/2020
SWN Production Company, LLC / Charles Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2017	4/27/2022
SWN Production Company, LLC / CHILSON-JENNINGS	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/13/2016	1/9/2022
SWN Production Company, LLC / Clark Pad	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/11/2016	7/26/2021
SWN Production Company, LLC / Conaty Well Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/13/2017	2/24/2024
SWN Production Company, LLC / Conigliaro Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/24/2017	4/30/2022
SWN Production Company, LLC / CONKLIN EAST	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2017	12/14/2022
SWN Production Company, LLC / Cooley (Pad 2)	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2017	9/25/2022
SWN Production Company, LLC / Coyle Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	5/7/2022

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SWN Production Company, LLC / Cramer Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	8/4/2021
SWN Production Company, LLC / Demento Pad	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/29/2016	2/28/2021
SWN Production Company, LLC / DRANN PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/27/2018	3/15/2023
SWN Production Company, LLC / Dropp-Range-Pad46	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2018	8/30/2023
SWN Production Company, LLC / EASTMAN	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	3/12/2024
SWN Production Company, LLC / ENDLESS MOUNTAIN RECREATION	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2017	9/4/2022
SWN Production Company, LLC / Ferguson	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	03/24/2020, 02/09/2010	3/24/2025
SWN Production Company, LLC / Ferguson-Keisling (Pad B)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/9/2018	4/15/2023
SWN Production Company, LLC / FIELDS PAD 1	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/31/2017	2/28/2022
SWN Production Company, LLC / Fiondi - 1	Middletown Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2019	4/11/2024
SWN Production Company, LLC / FLICKS RUN	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/17/2016	1/9/2024
SWN Production Company, LLC / FLICKS RUN EAST PAD	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/23/2018	2/14/2023
SWN Production Company, LLC / Folger Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	8/15/2021
SWN Production Company, LLC / FREITAG PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/24/2017	9/18/2022
SWN Production Company, LLC / Gaylord Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2017	4/30/2024
SWN Production Company, LLC / Glover Pad	Thompson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/22/2017	4/30/2024
SWN Production Company, LLC / GOOD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/28/2017	1/27/2022
SWN Production Company, LLC / Greenzweig (GU C Pad)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2019	12/31/2024
SWN Production Company, LLC / GREMMEL	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/6/2017	3/12/2022
SWN Production Company, LLC / Grizzanti Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	8/15/2021
SWN Production Company, LLC / GU 04 Williams Aepli	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/18/2018	9/6/2023

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SWN Production Company, LLC / GU-S ROEHRIG SMITH Pad	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2014	9/20/2020
SWN Production Company, LLC / GU-X SEYMOUR PAD	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/23/2015	12/23/2020
SWN Production Company, LLC / GU-Y Loomis Pad	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/12/2020	6/12/2025
SWN Production Company, LLC / Gypsy Hill-Eastabrook (Pad 5)	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2017	9/25/2022
SWN Production Company, LLC / HARRIS PAD	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/13/2017	11/30/2022
SWN Production Company, LLC / Hayes Well Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/9/2016	2/28/2021
SWN Production Company, LLC / HDK Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	12/6/2021
SWN Production Company, LLC / HEBDA-VANDEMARK	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/10/2017	1/27/2024
SWN Production Company, LLC / Heckman Camp (Pad F)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	7/9/2023
SWN Production Company, LLC / Heckman Hiduk (Pad GS)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/28/2018	10/7/2023
SWN Production Company, LLC / Herman Well Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/29/2016	2/28/2021
SWN Production Company, LLC / Holbrook # 1	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2019	4/11/2024
SWN Production Company, LLC / Hollenbeck ABR	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	10/12/2020
SWN Production Company, LLC / HOWLAND-LENT	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/21/2016	12/21/2021
SWN Production Company, LLC / Humbert III Pad (RU-9)	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2017	5/30/2022
SWN Production Company, LLC / Humbert Pad (RU-8)	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	6/18/2024
SWN Production Company, LLC / INNES	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/19/2016	11/28/2021
SWN Production Company, LLC / Ivey Pad Site	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/27/2019	9/27/2024
SWN Production Company, LLC / JOHN GOOD WEST LU9 PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/21/2019	3/21/2024
SWN Production Company, LLC / Kass North Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	9/15/2021
SWN Production Company, LLC / King N (Pad NW1)	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	7/15/2023

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SWN Production Company, LLC / Knapik Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/8/2016	2/28/2021
SWN Production Company, LLC / Knosky Pad Site	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
SWN Production Company, LLC / KOZIOL PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	6/29/2024
SWN Production Company, LLC / Lepley Pad - TI-04	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/31/2019	5/31/2024
SWN Production Company, LLC / LOCH	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/17/2016	12/21/2023
SWN Production Company, LLC / LOKE PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/4/2017	11/30/2022
SWN Production Company, LLC / Longacre Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/29/2016	1/28/2021
SWN Production Company, LLC / Loomis Well No. 1	Rush Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
SWN Production Company, LLC / LU-10 ELLY MAY - PAD	Cogan House Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2020	5/8/2025
SWN Production Company, LLC / Lycoming Creek (Bodines)	Lewis Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/8/2017	12/31/2022
SWN Production Company, LLC / Lycoming Creek (Ralston)	McIntyre Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/8/2017	12/31/2022
SWN Production Company, LLC / Lyncott Corp Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	7/26/2021
SWN Production Company, LLC / MacGeorge Well Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/13/2017	2/13/2022
SWN Production Company, LLC / Marcucci_Jones Pad	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/17/2017	5/30/2022
SWN Production Company, LLC / Marichini-Zingieser (Pad 9)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/5/2018	3/29/2023
SWN Production Company, LLC / Markovitch Pad Site	Bridgewater Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/5/2020	2/5/2025
SWN Production Company, LLC / Martin (Pad 11)	Standing Stone Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/9/2018	4/15/2023
SWN Production Company, LLC / Martins Creek	Brooklyn Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/15/2019	3/31/2024
SWN Production Company, LLC / MARVIN PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/24/2017	9/18/2022
SWN Production Company, LLC / McMahon (VW Pad)	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2018	4/2/2023
SWN Production Company, LLC / Micks Pad Site	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025

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SWN Production Company, LLC / Mitchell Well Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2016	5/31/2021
SWN Production Company, LLC / Moore Well Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	5/31/2022
SWN Production Company, LLC / Mordovancey Well Pad	Choconut Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/16/2017	9/25/2022
SWN Production Company, LLC / MULLOY PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/24/2017	9/18/2022
SWN Production Company, LLC / NR-03-COLWELL WEST-PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/27/2019	9/27/2024
SWN Production Company, LLC / NR-04-DIAZ PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2020	2/20/2025
SWN Production Company, LLC / NR-05 BAC Realty	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/11/2020	6/11/2025
SWN Production Company, LLC / NR-10 POWELL Pad	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/29/2017	3/29/2024
SWN Production Company, LLC / NR-11-DAYTON-PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/17/2018	12/16/2023
SWN Production Company, LLC / NR-14-BRANT-PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/17/2018	12/16/2023
SWN Production Company, LLC / NR-15-HUGHES-PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2019	1/29/2024
SWN Production Company, LLC / NR-16 HALEY PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/2/2020	3/2/2025
SWN Production Company, LLC / NR-17-COLEMAN-PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/27/2019	9/27/2024
SWN Production Company, LLC / NR-18 Oak Ridge Pad	Oakland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
SWN Production Company, LLC / NR-19-Walker Diehl	Oakland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/17/2015	7/17/2020
SWN Production Company, LLC / NR-20-COLWELL-PAD	Oakland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/31/2019	12/31/2024
SWN Production Company, LLC / NR-23-FOUR BUCKS-PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/28/2020	1/28/2025
SWN Production Company, LLC / NR-24 BUCKHORN-PAD	Oakland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
SWN Production Company, LLC / NR-25 NOWICKI	Oakland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2020	6/9/2025
SWN Production Company, LLC / NR-27-COLEMAN EAST-PAD	Oakland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
SWN Production Company, LLC / O'Brien Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2017	5/24/2024

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SWN Production Company, LLC / O'Reilly Well Pad	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	5/31/2022
SWN Production Company, LLC / Page Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2017	4/30/2024
SWN Production Company, LLC / PEASE	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/4/2017	2/28/2024
SWN Production Company, LLC / PLATUS PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2017	12/7/2022
SWN Production Company, LLC / Powers Pad Site	Forest Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/31/2019	5/31/2024
SWN Production Company, LLC / Preston-Perkins	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2017	4/30/2024
SWN Production Company, LLC / Price Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	4/13/2021
SWN Production Company, LLC / PU-AA Gerfin Price Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/29/2016	2/17/2021
SWN Production Company, LLC / PU-BB-Price-Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
SWN Production Company, LLC / PU-CC Valentine-Price Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	4/15/2021
SWN Production Company, LLC / PU-II Ransom-Stas Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/29/2016	3/11/2021
SWN Production Company, LLC / PU-KK Valentine-Soliman Pad	Lenox Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/1/2016	3/11/2021
SWN Production Company, LLC / Rabago Birk (Pad 10)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/29/2017	9/25/2022
SWN Production Company, LLC / RACINE PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2017	12/7/2022
SWN Production Company, LLC / Reber-Dozier Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/16/2017	10/3/2022
SWN Production Company, LLC / Reeve	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/8/2020	5/8/2025
SWN Production Company, LLC / Robinson	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/2/2014	6/16/2020
SWN Production Company, LLC / Robinson Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/17/2016	9/16/2021
SWN Production Company, LLC / Roman Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/17/2016	8/15/2021
SWN Production Company, LLC / Ross Pad	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/9/2014	9/20/2020
SWN Production Company, LLC / RU-06 FLOHS-PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025

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SWN Production Company, LLC / RU-23 MITCHELL PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/9/2018	4/15/2023
SWN Production Company, LLC / RU-40-BREESE-PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/17/2018	12/17/2023
SWN Production Company, LLC / RU-42-KROPFF-PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
SWN Production Company, LLC / RU-47-KARMAZIN-PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/16/2020	2/16/2025
SWN Production Company, LLC / RU-51-WHITEHEAD-PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
SWN Production Company, LLC / RU-55 CONKLIN	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/20/2017	4/30/2024
SWN Production Company, LLC / RU-65-LEONARD-PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/15/2019	2/15/2024
SWN Production Company, LLC / RU-71-BLUE BECK-PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/12/2020	2/12/2025
SWN Production Company, LLC / RU-72-FOLKVARD-PAD_	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
SWN Production Company, LLC / RU-74 TRETTER PAD	Great Bend Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2016	1/29/2021
SWN Production Company, LLC / Sadecki Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2016	5/26/2021
SWN Production Company, LLC / Salt Lick Hunting Club-Range-Pad59	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/10/2018	10/7/2023
SWN Production Company, LLC / Scarlet Oaks Pad (RU-38)	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2017	5/30/2022
SWN Production Company, LLC / Scott Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/23/2016	8/19/2021
SWN Production Company, LLC / Seamans Pad	Harford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/6/2017	4/30/2024
SWN Production Company, LLC / SHELDON EAST PAD	Thompson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/4/2017	11/30/2022
SWN Production Company, LLC / Sheldon Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/4/2016	2/23/2021
SWN Production Company, LLC / SKELLY	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/19/2016	12/6/2021
SWN Production Company, LLC / Susquehanna River - 2	Great Bend Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/5/2019	12/31/2024
SWN Production Company, LLC / Susquehanna River - Hicks	Great Bend Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/8/2018	3/31/2023
SWN Production Company, LLC / Susquehanna River - Hinkle	Oakland Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/13/2020	3/31/2025

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SWN Production Company, LLC / SWEENEY PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2017	12/7/2022
SWN Production Company, LLC / Swisher (Pad R)	Stevens Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2018	12/31/2022
SWN Production Company, LLC / SWOPE PAD	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/24/2017	9/18/2022
SWN Production Company, LLC / TI-01 Mase Monte	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/29/2017	11/29/2022
SWN Production Company, LLC / TI-07 Cupper Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/6/2017	1/6/2022
SWN Production Company, LLC / TI-09 BROWN	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/14/2017	8/14/2022
SWN Production Company, LLC / TI-14 Connolly A Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/16/2015	11/16/2020
SWN Production Company, LLC / TI-17 Hoffman	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2018	3/20/2023
SWN Production Company, LLC / TI-19 Connolly B - Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/16/2015	11/16/2020
SWN Production Company, LLC / TI-20 Fall Creek B	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2018	3/20/2023
SWN Production Company, LLC / TI-22 Fall Creek A - Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/16/2015	11/16/2020
SWN Production Company, LLC / TI-23 Camp Woodhouse	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2018	3/20/2023
SWN Production Company, LLC / TI-24 Long Run Timber B Pad	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/8/2016	2/8/2021
SWN Production Company, LLC / TI-25 Long Run Timber A	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/20/2018	3/20/2023
SWN Production Company, LLC / TI-32 STAFFORD PAD	Morris Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2016	1/29/2021
SWN Production Company, LLC / TI-46 Bliss Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/6/2017	1/6/2024
SWN Production Company, LLC / Tice (13 Pad)	Orwell Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/9/2018	4/15/2023
SWN Production Company, LLC / TINGLEY PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2017	12/14/2022
SWN Production Company, LLC / TNT 1 LIMITED PARTNERSHIP	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/19/2016	12/6/2023
SWN Production Company, LLC / TNT LTD PART WEST	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/21/2018	7/9/2023
SWN Production Company, LLC / TONYA EAST	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/6/2017	4/27/2024

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SWN Production Company, LLC / TONYA WEST	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/5/2016	1/27/2022
SWN Production Company, LLC / Tunkhannock Creek - Lenox	Lenox Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/13/2020	3/31/2025
SWN Production Company, LLC / Turner - 1	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2019	4/11/2024
SWN Production Company, LLC / Van Order Pad	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/13/2016	7/26/2021
SWN Production Company, LLC / Walker Pad	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2017	4/30/2024
SWN Production Company, LLC / WALKER WEST PAD 14	Jackson Township	PA	CU	Crude Petroleum and Natural Gas Extraction	11/19/2017	1/25/2023
SWN Production Company, LLC / Warner Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/6/2017	4/30/2022
SWN Production Company, LLC / WATTS	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/6/2016	2/28/2022
SWN Production Company, LLC / Webster - 1	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/11/2019	4/11/2024
SWN Production Company, LLC / Wheeler Well Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/12/2017	5/31/2022
SWN Production Company, LLC / Whipple (Pad 14)	Herrick Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/7/2018	7/12/2023
SWN Production Company, LLC / Wilkes Well Pad	Silver Lake Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2017	2/28/2024
SWN Production Company, LLC / WOOSMAN PAD	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/14/2017	9/18/2022
SWN Production Company, LLC / Wootton East Well Pad	Liberty Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/16/2017	9/25/2022
SWN Production Company, LLC / WR-22-Five E's-Pad	Middletown Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2019	8/26/2024
SWN Production Company, LLC / WR-68 Depue Pad	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	9/27/2020
SWN Production Company, LLC / WY 04 DIMMIG	Forkston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/29/2019	1/29/2024
SWN Production Company, LLC / WY 09 OTTEN PAD	Forkston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/11/2015	12/11/2020
SWN Production Company, LLC / WY-08 LEBER PAD	North Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/25/2019	3/25/2024
SWN Production Company, LLC / WY-10-FALCONERO-PAD	Forkston Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/23/2018	4/23/2023
SWN Production Company, LLC / WY-18 WEST PAD	Eaton Township	PA	CU	Crude Petroleum and Natural Gas Extraction	10/30/2015	10/30/2020

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SWN Production Company, LLC / Wyalusing Creek	Wyalusing Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/7/2017	9/30/2022
SWN Production Company, LLC / Zeffer Pad	New Milford Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/23/2016	8/19/2021
Tanglewood Manor Golf Club, LLC / Tanglewood Manor Golf Club	East Drumore Township	PA	SW, CU	Golf Courses and Country Clubs	06/12/2002, 05/29/2020	06/12/2027, 06/12/2027
Tenaska Resources, LLC / Cowanesque River	Westfield Township	PA	SW	Crude Petroleum and Natural Gas Extraction	12/6/2018	12/31/2023
The Coca-Cola Company / Graysville Spring A	Franklin Township	PA	SW, CU	Bottled Water Manufacturing	9/23/1998	9/23/2023
The Coca-Cola Company / The Coca-Cola Bottling Facility (Big Spring)	Bellefonte Borough	PA	CU	Bottled Water Manufacturing	7/9/1998	7/9/2023
The Sherwin-Williams Manufacturing Company / The Sherwin-Williams Lebanon Facility	North Lebanon Township	PA	CU	Paint and Coating Manufacturing	6/9/2004	6/9/2029
Tilden Marcellus, LLC / 808 Thomas	Elk Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/8/2015	3/26/2022
Tilden Marcellus, LLC / Bergey 1	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	9/13/2022
Tilden Marcellus, LLC / Button B 901 Pad	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Tilden Marcellus, LLC / Coon Hollow 904	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2020	8/18/2025
Tilden Marcellus, LLC / Hillside Pad	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	12/29/2021
Tilden Marcellus, LLC / Ken-Ton 902	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/16/2020	3/16/2025
Tilden Marcellus, LLC / Kjelgaard Pad	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/9/2020	2/9/2025
Tilden Marcellus, LLC / Lick Run Pad	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Tilden Marcellus, LLC / Marshlands H. Bergey Unit #1	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/9/2015	12/29/2021
Tilden Marcellus, LLC / Marshlands K. Thomas Unit #1	Elk Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/12/2020	3/12/2025
Tilden Marcellus, LLC / Mitchell A 903	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/24/2020	3/24/2025
Tilden Marcellus, LLC / Patel 914	Abbott Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/22/2015	5/17/2022
Tilden Marcellus, LLC / Paul 906	West Branch Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/30/2015	3/8/2022

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Tilden Marcellus, LLC / Pierson 810	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/26/2020	8/26/2025
Tilden Marcellus, LLC / Pine Creek	Pike Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/9/2017	3/31/2022
Tilden Marcellus, LLC / Simonetti 817 (rev)	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/18/2020	8/18/2025
Tilden Marcellus, LLC / State 815 Pad	Elk Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/3/2020	5/3/2025
Tilden Marcellus, LLC / State 822 Pad	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/3/2020	5/3/2025
Tilden Marcellus, LLC / T Pierson Pad	Gaines Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/11/2020	2/11/2025
Tioga Downs Racetrack, LLC / Tioga Downs Racetrack, LLC	Nichols Town	NY	CU	Racetracks	6/16/2016	6/15/2031
Titanium Metals Corporation (TIMET) / Titanium Metals Corporation (TIMET)	Caernarvon Township	PA	CU,GW	Fabricated Metal Product Manufacturing	06/12/2008, 03/21/2013, 06/18/2009	06/12/2023, 06/12/2023, 06/18/2024
Toftrees Hotel Resort and Conference Center / Toftrees Hotel Resort and Conference Center	Patton Township	PA	CU	Golf Courses and Country Clubs	10/10/2002	10/10/2027
Togg Mountain, LLC / Toggenburg Mountain Winter Sports Center	Fabius Town	NY	CU	Skiing Facilities	9/7/2018	9/6/2033
Towanda Country Club / Towanda Country Club	Wysox Township	PA	CU	Golf Courses and Country Clubs	10/10/2002, 05/12/2020	10/10/2027, 10/10/2027
Towanda Municipal Authority / Towanda Municipal Authority	Towanda Borough	PA	GW	Water Supply and Irrigation Systems	09/07/2018, 03/13/2020	09/06/2033, 03/12/2035
Tower City Borough Authority / Tower City Borough Authority	Porter Township	PA	GW	Water Supply and Irrigation Systems	03/12/1992, 06/12/2003	03/12/2022, 06/12/2028
Tower Springs, LLC / Egg Harbor Springs	Porter Township	PA	CU	Bottled Water Manufacturing	6/12/2003	6/12/2028
Tower Springs, LLC / Temple Springs	Williams Township	PA	CU	Bottled Water Manufacturing	3/29/2005	3/29/2030
Tree Top Golf Course, Inc. / Tree Top Golf Course, Inc.	Mount Joy Township	PA	CU	Golf Courses and Country Clubs	02/21/2002, 05/29/2020	02/21/2027, 02/21/2027
Tulpehocken Spring Water, Inc. / Tulpehocken Spring Water, Inc.	Sugarloaf Township	PA	CU	Bottled Water Manufacturing	9/1/2020	3/29/2030
Tunkhannock Borough Municipal Authority / Tunkhannock Borough Municipal Authority	Tunkhannock Township	PA	GW	Water Supply and Irrigation Systems	08/14/2003, 09/13/2006	08/14/2028, 09/13/2031
Turkey Hill LLC / Turkey Hill Dairy	Manor Township	PA	GW,CU	Food Manufacturing	08/14/2003, 08/14/2003	08/14/2028, 08/14/2028
Twin Hickory Golf Club, Inc. / Twin Hickory Golf Club	Hornellsville Town	NY	CU	Golf Courses and Country Clubs	08/14/2003, 06/12/2020	08/14/2028, 08/14/2028
Tyco Electronics / Lickdale	Union Township	PA	CU	Electrical Equipment Manufacturing	12/18/2009	12/18/2024

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Tyoga Country Club / Tyoga Country Club	Delmar Township	PA	CU	Golf Courses and Country Clubs	10/11/2001, 08/14/2003, 05/29/2020	10/11/2026, 10/11/2026, 10/11/2026
U.S. Geological Survey-Northern Appalachian Research Laboratory / U.S. Geological Survey-Northern Appalachian Research Laboratory	Shippen Township	PA	GW	Research and Development in the Physical, Engineering, and Life Sciences	04/09/1986, 07/13/1989, 08/14/2003	04/09/2016, 04/09/2016, 08/14/2028
UGI Development Company / Hunlock Creek Energy Center	Hunlock Township	PA	SW,CU	Electric Power Generation	09/10/2009, 09/10/2015	09/10/2024, 09/10/2024
Union Deposit Corporation / Sportsman's Golf Course	Lower Paxton Township	PA	CU	Golf Courses and Country Clubs	10/09/2003, 06/12/2020	10/09/2028, 10/09/2028
Univar Solutions USA Inc. / Univar Solutions USA	Middletown Borough	PA	CU	Chemical Manufacturing	6/12/2002	6/12/2027
Upper Halfmoon Water Company / Upper Halfmoon Water Company	Halfmoon Township	PA	GW	Water Supply and Irrigation Systems	05/13/1993, 12/05/2014	05/13/2023, 12/04/2029
Upper Leacock Township Municipal Authority / Upper Leacock Township Municipal Authority	Upper Leacock Township	PA	GW	Water Supply and Irrigation Systems	09/04/2014, 12/05/2019	09/03/2029, 12/31/2034
Upstate Niagara Cooperative, Inc. / Upstate Farms Cheese, LLC	Campbell Town	NY	GW	Cheese Manufacturing	09/14/1995, 06/16/2017	09/14/2020, 06/30/2032
Valley CC LLC / Valley Country Club	Sugarloaf Township	PA	CU,GW	Golf Courses and Country Clubs	08/15/2002, 06/14/2006, 06/12/2020, 06/18/2009	08/15/2027, 08/15/2027, 08/15/2027, 06/18/2024
Valley View Springs–Eagle Springs Co.	Hegins Township	PA	SW,CU	Bottled Water Manufacturing	11/13/1997	11/13/2022
VEC Energy LLC / Austinburg 1H	Brookfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	3/8/2020
VEC Energy LLC / Brookfield #1 Pad	Brookfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	1/22/2016	1/22/2021
VEC Energy LLC / NorthFork 1H	Brookfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	1/28/2020
VEC Energy LLC / Sylvester 1H	Brookfield Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2015	1/21/2020
Vestal, Town of / Vestal, Town of	Vestal Town	NY	GW	Water Supply and Irrigation Systems	05/11/1995, 06/15/2018	05/11/2025, 06/14/2033
Vitro Flat Glass LLC / Vitro Flat Glass, Works No. 6	South Middleton Township	PA	CU	Flat Glass Manufacturing	02/21/2002, 08/14/2003	02/21/2027, 02/21/2027
Walden Oaks Country Club, Inc. / Walden Oaks Country Club, Inc.	Cortlandville Town	NY	CU	Golf Courses and Country Clubs	02/06/2003, 05/29/2020	02/06/2028, 02/06/2028

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Walker Township Water Association, Inc. / Walker Township Water Association, Inc.	Walker Township	PA	GW	Water Supply and Irrigation Systems	03/14/1991, 09/14/1995, 09/12/2007, 12/15/2011	03/14/2021, 09/14/2020, 09/12/2022, 09/12/2022
Warrior Trail Properties, LLC / Project Schooner	Hazle Township	PA	CU	Bottled Water Manufacturing	9/4/2020	9/3/2035
Warwick Township Municipal Authority / Warwick Township Municipal Authority	Warwick Township	PA	GW	Water Supply and Irrigation Systems	03/05/2015, 06/14/2019	03/04/2030, 06/30/2034
Waupaca Foundry, Inc. / Waupaca Foundry, Inc.	Lawrence Township	PA	GW, CU	Automobile Manufacturing	10/1/1996	10/1/2021
Waverly, Village of / Waverly, Village of	Waverly Village	NY	GW	Water Supply and Irrigation Systems	02/06/2003, 12/05/2007, 12/08/2017	02/06/2028, 02/06/2028, 12/31/2032
Weaverland Valley Authority / Blue Ball Water System	East Earl Township	PA	GW	Water Supply and Irrigation Systems	11/2/2018	11/1/2025
Weaverland Valley Authority / Terre Hill Water System	East Earl Township	PA	GW	Water Supply and Irrigation Systems	4/14/1988	4/14/2018
Weis Markets, Inc.	Sunbury City	PA	CU	Bottled Water Manufacturing	04/10/2003, 09/14/2005	04/10/2028, 04/10/2028
Wellsboro Municipal Authority / Wellsboro Municipal Authority	Duncan Township	PA	SW	Water Supply and Irrigation Systems	3/11/1999	12/18/2034
West Cocalico Township Authority / West Cocalico Township Authority	West Cocalico Township	PA	GW	Water Supply and Irrigation Systems	02/06/2003, 12/14/2012	02/06/2028, 12/13/2027
West Earl Water Authority / West Earl Water Authority	West Earl Township	PA	SW	Water Supply and Irrigation Systems	9/11/1997	5/27/2022
West Manchester Township Authority / West Manchester Township Authority	West Manchester Township	PA	GW	Water Supply and Irrigation Systems	09/23/1998, 09/14/2005, 03/09/2017	09/23/2023, 09/14/2030, 03/08/2032
West Shore Country Club / West Shore Country Club	East Pennsboro Township	PA	CU	Golf Courses and Country Clubs	08/15/2002, 06/12/2020	08/15/2027, 08/15/2027
West Winfield, Village of	West Winfield Village	NY	GW	Water Supply and Irrigation Systems	9/8/2004	9/8/2029
Williamsburg Municipal Authority / Williamsburg Municipal Authority	Woodbury Township	PA	GW	Water Supply and Irrigation Systems	07/14/1994, 03/09/1995	07/14/2024, 07/14/2024
Williamsport Municipal Water Authority / Williamsport Municipal Water Authority	Williamsport City	PA	GW	Water Supply and Irrigation Systems	6/23/2011	6/22/2026
Willow Valley Golf Club, Inc. / Willow Valley Golf Club, Inc.	West Lampeter Township	PA	CU	Golf Courses and Country Clubs	12/13/2001, 05/29/2020	12/13/2026, 12/13/2026
Windsor, Village of / Windsor, Village of	Windsor Village	NY	GW	Water Supply and Irrigation Systems	3/15/2019	3/14/2034
Wise Foods, Inc. / Wise Foods, Inc.	Berwick Borough	PA	GW	Food Manufacturing	5/14/1992	5/14/2022

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World Kitchen, LLC / World Kitchen, Inc. - Pressware Plant	Corning City	NY	GW	Kitchen Utensil, Pot, and Pan Manufacturing	12/13/2001, 09/08/2004, 03/15/2006	12/13/2026, 12/13/2026, 03/15/2031
Wrightsville Borough Municipal Authority	Hellam Township	PA	SW	Water Supply and Irrigation Systems	3/11/1999	3/29/2024
Wynding Brook Inc. / Wynding Brook Golf Club	Turbot Township	PA	SW,CU	Golf Courses and Country Clubs	3/13/2008	3/13/2023
Wyoming Valley Country Club / Wyoming Valley Country Club	Hanover Township	PA	CU	Golf Courses and Country Clubs	8/15/2002	8/15/2027
XPR Resources LLC / Alder Run Land 3H	Cooper Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/14/2018	12/14/2023
XPR Resources LLC / Alder Run Land LP #2H	Cooper Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/29/2020	6/29/2025
XPR Resources LLC / Alder Run Land LP 1H	Cooper Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/14/2018	12/14/2023
XPR Resources LLC / Alder Run LP #5H	Cooper Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/3/2015	12/3/2020
XPR Resources LLC / Resource Recovery Well Pad 2	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/17/2016	11/3/2020
XPR Resources LLC / Resource Recovery Well Pad 3	Snow Shoe Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/17/2016	10/21/2020
XTO Energy, Inc / Brown 8519H	Moreland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/6/2020	8/6/2025
XTO Energy, Inc / Buck Unit A	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	7/21/2021
XTO Energy, Inc / Dieterick	Jordan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	4/30/2020	4/30/2025
XTO Energy, Inc / Everbe Farms 8518H	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/27/2020	7/27/2025
XTO Energy, Inc / Jenzano	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
XTO Energy, Inc / Little Muncy Creek	Moreland Township	PA	SW	Crude Petroleum and Natural Gas Extraction	3/8/2018	3/31/2023
XTO Energy, Inc / Lucella 8564H	Moreland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	6/16/2015	9/20/2020
XTO Energy, Inc / Marquardt	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
XTO Energy, Inc / MARQUARDT 8534H	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	9/8/2020	9/8/2025
XTO Energy, Inc / MARQUARDT UNIT 8517H	Penn Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/20/2020	5/20/2025
XTO Energy, Inc / Moser 8521H	Franklin Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/4/2020	8/4/2025

Facility Name	Municipality	State	Approval Type Approval by Rule (ABR) Consumptive Use (CU) Diversion (DIV) Groundwater (GW) Surface Water (SW)	NAICS Title	Approval Date(s)	Expiration Date(s)
XTO Energy, Inc / PA TRACT 8524H	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	4/22/2021
XTO Energy, Inc / PA TRACT 8546H	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/6/2015	10/29/2020
XTO Energy, Inc / PA Tract C	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	5/29/2020	5/29/2025
XTO Energy, Inc / PA Tract Unit E	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/4/2016	8/26/2021
XTO Energy, Inc / PA Tract Unit G	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/7/2016	9/23/2021
XTO Energy, Inc / PA Tract Unit I	Chapman Township	PA	CU	Crude Petroleum and Natural Gas Extraction	3/4/2016	8/26/2021
XTO Energy, Inc / Renn Unit A	Jordan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	12/21/2015	3/22/2021
XTO Energy, Inc / Temple	Moreland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	7/23/2019	7/23/2024
XTO Energy, Inc / TLT Unit A	Jordan Township	PA	CU	Crude Petroleum and Natural Gas Extraction	2/22/2016	7/8/2021
XTO Energy, Inc / Tome 8522H	Moreland Township	PA	CU	Crude Petroleum and Natural Gas Extraction	8/4/2020	8/4/2025
XTO Energy, Inc / West Branch Susquehanna River	Chapman Township	PA	SW	Crude Petroleum and Natural Gas Extraction	9/6/2019	9/30/2024
York County Solid Waste and Refuse Authority / Hopewell Township	Hopewell Township	PA	GW	Solid Waste Landfill	6/20/2013	12/13/2027
York County Solid Waste and Refuse Authority / Manchester Township	Manchester Township	PA	CU	Electric Power Generation	3/9/2017	3/31/2032
York Haven Power Company, LLC / York Haven Hydroelectric Project	Londonderry Township	PA	NULL	Hydroelectric Power Generation	3/13/2020	11/30/2055
York Plant Holding LLC	Springettsbury Township	PA	CU	Electric Power Generation	12/5/2007	12/5/2022
York Water Company, The / York Water Company, The	Spring Garden Township	PA	SW	Water Supply and Irrigation Systems	10/10/2002, 05/03/2016	10/10/2027, 10/10/2027
Zausner Food Corporation / Zausner Foods Corporation	New Holland Borough	PA	CU	Food Manufacturing	12/13/2001	12/13/2026

**TOTAL FACILITIES: 2,578**