

County Council Of Howard County, Maryland

2023 Legislative Session

Legislative Day No. **1**

Resolution No. 10 -2023

Introduced by: The Chairperson at the request of the County Executive

A RESOLUTION approving an amendment to the Howard County Master Plan for Water and Sewerage to add the Lyhus Property to the Inventory of Existing Multi-Use Community Well and Surface Water Supply and the Summary of Existing and Planned Permit Discharges.

Introduced and read first time _____, 2023.

By order _____
Michelle Harrod, Administrator

Read for a second time at a public hearing on _____, 2023.

By order _____
Michelle Harrod, Administrator

This Resolution was read the third time and was Adopted___, Adopted with amendments___, Failed___, Withdrawn___, by the County Council on _____, 2023.

Certified By _____
Michelle Harrod, Administrator

Approved by the County Executive _____, 2023

Calvin Ball, County Executive

NOTE: [[text in brackets]] indicates deletions from existing law; TEXT IN SMALL CAPITALS indicates additions to existing law; ~~Strike-out~~ indicates material deleted by amendment; Underlining indicates material added by amendment

1 **WHEREAS**, Title 9, Subtitle 5 of the Environment Article of the Annotated Code of
2 Maryland (the “State law”) requires each county governing body to adopt a Master Plan for
3 Water and Sewerage and to review the plan every 3 years; and
4

5 **WHEREAS**, the County Council and County Executive last approved an amendment to
6 the Master Plan for Water and Sewerage by adoption of Council Resolution 143-2019 on
7 February 5, 2020; and
8

9 **WHEREAS**, Mitron Parcel 1, LLC (the “Developer/Property Owner”) is seeking to build
10 29 age-restricted duplexes (58 total units) to be located at 12170 Lime Kiln Road in Fulton (the
11 “Lyhus Property”); and
12

13 **WHEREAS**, because the Lyhus Property is outside of the Planned Service Area for
14 water and sewerage service, the Developer/Property Owner proposes to serve the Lyhus Property
15 with a multi-use shared septic system and a multi-use water shared well system; and
16

17 **WHEREAS**, the Developer/Property Owner has applied to the Maryland Department of
18 the Environment (“MDE”) for a State Groundwater Discharge Permit Area to treat sewage off
19 the Lyhus Property and a Water Appropriation Permit; and
20

21 **WHEREAS**, in accordance with State law and so that MDE can approve the Discharge
22 Permit and the Water Appropriation Permit for the Lyhus Property, the Property must be added
23 to the Inventory of Existing Multi-Use Community Well and Surface Water Supply (Table 4)
24 and the Summary of Existing and Planned Permit Discharges (Table 10A); and
25

26 **WHEREAS**, in accordance with Section 9-503 of the State Law, the County’s governing
27 body has conducted a public hearing on the amendment; and
28

29 **WHEREAS**, on October 6, 2022, the Planning Board certified that the amendment was
30 consistent with the Master Plan for Water and Sewerage.
31

1 **NOW, THEREFORE, BE IT RESOLVED** by the County Council of Howard County,
2 Maryland this ____ day of _____, 2023, that the following Tables included in the
3 Howard County Master Plan for Water and Sewerage are amended as shown in the attached
4 Exhibit:

5 (1) Inventory of Existing Multi-Use Community Well and Surface Water Supply (Table 4);

6 and

7 (2) The Summary of Existing and Planned Permit Discharges (Table 10A).

TABLE 4
INVENTORY OF EXISTING AND PROPOSED MULTI-USE COMMUNITY WELL AND SURFACE WATER SUPPLY

Water Appropriation Permit Number and Revision	Owner	Effective Year	Aquifer	Remarks	Average Limit (gal./day)	Maximum Month Limit (gal./day)	North Coord.	East Coord.
HO1950G001(07)	WILLIAMS TRANSCO PIPELINE	2006	LOWER PELITIC SCHIST WISSAHICKON	COMPRESSOR STATION 190 - ELLICOT CITY	500	1,000	522	820
HO1955G001(07)	W. R. GRACE & CO.	2006	LOWER PELITIC SCHIST WISSAHICKON	WASHINGTON RESEARCH CENTER	70,000	140,000	495	827
HO1958G001(05)	KONTERA LIMITED PARTNERSHIP	2005	PATUXENT FORMATION	LAUREL SAND & GRAVEL PLANT	500	1,000	496	881
HO1958G006(05)	MANGIONE ENTERPRISES OF TURF VALLEY	2013	COCKEYSVILLE MARBLE	TURF VALLEY GOLF COURSE	2,000	5,000	533	832
HO1961G004(04)	BOARMAN, FLORENTINE J.	1998	BALTIMORE GNEISS	BOARMAN'S MARKET	500	600	490	811
HO1962G005(05)	MARYLAND STATE HIGHWAY ADMIN	2007	LOWER PELITIC SCHIST WISSAHICKON	SHA GARAGE AT DAYTON	1,600	2,700	516	806
HO1963G006(04)	CONVENTUAL FRANCISCAN FRIARS	2001	LOWER PELITIC SCHIST WISSAHICKON	FRANCISCAN FRIAR RESIDENCE	1,500	2,300	518	817
HO1963G008(06)	SISTERS OF BON SECOURS USA	2010	SWIFT RUN FORMATION	RETREAT HOUSE & CONVENT	17,000	22,000	545	830
HO1965G003(02)	RONO RURAL ENTERPRISES, INC.	2002	LOWER PELITIC SCHIST WISSAHICKON	DRIVING RANGE	500	20,000	475	826
HO1966G006(04)	MT. AIRY HOWARD CHAPEL CHURCH,	1998	IJAMSVILLE FORM.-MARBURG SCHIST	CHURCH	100	500	540	755
HO1967G001(05)	HOWARD COUNTY PUBLIC SCHOOLS	2005	BOULDER GNEISS WISSAHICKON FORM.	GLENWOOD M. S.	5,000	7,000	532	792
HO1967G010(04)	NERI, LUIGI, AND ANNA	1998	PATUXENT FORMATION	ANNAPOLIS JUNCTION POST OFFICE	500	600	472	858
HO1968G001(04)	BROWN'S CHAPEL, UNITED METHODIST	2001	LOWER PELITIC SCHIST WISSAHICKON	BROWNS CHAPEL, UMC	100	200	512	802
HO1969G002(06)	A.J.R. PROPERTIES, LLC.	2010	PATUXENT FORMATION	MANUFACTURE CINDER BLOCKS	700	900	471	859
HO1971G006(02)	EXXON MOBIL CORPORATION	2001	BALTIMORE GNEISS	EXXON STATION NO 27459	500	800	500	816
HO1972G002(04)	DAYTON ROD AND GUN CLUB, INC.	2004	LOWER PELITIC SCHIST WISSAHICKON	CLUB	100	200	509	801
HO1973G003(04)	HOWARD COUNTY PUBLIC SCHOOLS	2003	BOULDER GNEISS WISSAHICKON FORM.	GLENELG H. S.	7,100	10,300	525	799
HO1973G004(05)	HOWARD COUNTY PUBLIC SCHOOLS	2005	WISSAHICKON FORMATION	LISBON E. S.	2,500	3,000	547	780
HO1973G006(04)	HOWARD COUNTY PUBLIC SCHOOLS	2005	LOWER PELITIC SCHIST WISSAHICKON	WEST FRIENDSHIP E. S.	1,500	2,000	535	815
HO1973G011(04)	FAITH COMMUNITY CHURCH	2005	IJAMSVILLE FORM.-MARBURG SCHIST	CHURCH	300	500	549	758
HO1974G001(03)	LIBERTY BAPTIST CHURCH	2002	WISSAHICKON FORMATION	CHURCH	100	300	548	780
HO1974G002(04)	FERGUSON, SR, JAMES, R.	2006	WISSAHICKON FORMATION	SAND & GRAVEL HAULING	250	500	543	791
HO1975G003(04)	THE ROMAN CATHOLIC ARCHBISHOP	2003	METAGABBRO AND AMPHIBOLITE	CHURCH HALL	800	1,000	548	770
HO1975G009(05)	GLENELG COUNTRY SCHOOL	2008	SETTERS FORMATION	SCHOOL POTABLE, COOLING, IRRIGATION	8,000	12,000	517	811
HO1976G001(03)	HOWARD CO DEPT RECREATION	1998	LOWER PELITIC SCHIST WISSAHICKON	CENTENNIAL PARK	1,000	2,500	513	839
HO1978G005(03)	INTERMEDIA COMMUNICATIONS, INC.	2002	WISSAHICKON FORMATION	TOWER AND MAINT FACILITY UNMANNED	100	100	541	792
HO1979G005(05)	MOUNT AIRY BIBLE CHURCH	2005	WISSAHICKON FORMATION	CHURCH & SCHOOL	2,000	4,000	552	772
HO1981G003(04)	LISBON UNITED METHODIST CHURCH	2013	WISSAHICKON FORMATION	CHURCH/DAY CARE	500	800	546	781
HO1981G004(03)	ARMSTRONG, WILLIAM	2004	LOWER PELITIC SCHIST WISSAHICKON	GWHP	3,000	6,000	504	800
HO1981G006(03)	GLYNN, JAMES C.	2004	BALTIMORE GNEISS	SMALL BUSINESS OFFICE	100	200	490	812
HO1981G007(03)	J.R. ENTERPRISES	2003	LOWER PELITIC SCHIST WISSAHICKON	EYRE BUS SERVICE	2,000	2,500	521	803
HO1981S005(04)	TRANSCONTINENTAL GAS PIPELINE	2003	MIDDLE PATUXENT RIVER	HYDROSTATIC PRESSURE TEST	18,000	3,100,000	522	829
HO1982G003(02)	LANEVE, RONALD, S.	1998	SETTERS FORMATION	CEASAR'S III RESTAURANT	2,000	2,600	533	820
HO1982G004(04)	HOWARD COUNTY DPW	2005	LOWER PELITIC SCHIST WISSAHICKON	DAYTON HIGHWAY MAINTENANCE SHOP	800	1,000	516	806
HO1983G001(03)	WEST HOWARD COUNTY SWIM CLUB	1993	WISSAHICKON FORMATION	SWIMMING POOL	500	2,000	552	779
HO1983G004(04)	CALVARY LUTHERAN CHURCH	2006	WISSAHICKON FORMATION	CHURCH-CALVARY LUTHERAN	1,000	1,700	551	777
HO1983G006(03)	IGENE BIOTECHNOLOGY	2005	LOWER PELITIC SCHIST WISSAHICKON		250	500	509	852
HO1983G008(04)	HO CO PUBLIC SCHOOLS	2007	BOULDER GNEISS WISSAHICKON FORM.	BUSHY PARK ELEMENTARY SCHOOL	3,500	5,000	534	739
HO1984G001(03)	SHEPHERD OF THE GLEN LUTHERAN	2006	BOULDER GNEISS WISSAHICKON FORM.	CHURCH	200	500	527	794
HO1984G002(03)	COMMUNITY BIBLE CHURCH HIGHLAND	2006	BALTIMORE GNEISS	CHURCH	250	600	492	813
HO1984G009(02)	HO CO DEPARTMENT OF RECREATION	1996	BOULDER GNEISS WISSAHICKON FORM.	LAND PRESERVATION FUND	200	300	542	811
HO1985G001(02)	HOWARD COUNTY RECREATION	1997	GUNPOWDER GRANITE	SCHOOLEY MILL PARK	600	2,400	486	811
HO1986G009(02)	GROUP 5 PARTNERSHIP	2002	LOWER PELITIC SCHIST WISSAHICKON	PATRICK CLARK & ASSOC. INSURANCE	100	200	480	822
HO1986G012(02)	LISBON VOLUNTEER FIRE CO.	1998	WISSAHICKON FORMATION	FIRE COMPANY	200	1,000	547	778
HO1987G003(02)	MIKOLASKO, ERIC, J.	1999	IJAMSVILLE FORM.-MARBURG SCHIST	WASHINGTONIAN LANDSCAPE CO.	600	2,400	542	761

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Water Appropriation Permit Number and Revision	Owner	Effective Year	Aquifer	Remarks	Average Limit (gal./day)	Maximum Month Limit (gal./day)	North Coord.	East Coord.
HO1987G005(06)	LISBON PLAZA, LLC.	2014	WISSAHICKON FORMATION	LISBON SHOPPING CENTER WELL	10,000	14,500	552	781
HO1987G007(03)	CREST LAWN MEMORIAL GARDENS, INC.	2001	WISSAHICKON FORMATION	CEMETERY OFFICE	800	1,200	538	819
HO1988G003(02)	WILLOW SPRINGS I LIMITED PARTNERSHIP	2001	BOULDER GNEISS WISSAHICKON FORM.	GOLF COURSE IRRIGATION - 3 WELLS	20,000	125,000	540	809
HO1988G007(08)	SUNOCO, INC.	2009	BALTO. GABBRO COMPLEX	STATION # 0003-4587	1,000	3,000	526	846
HO1988G103(01)	WILLOW SPRINGS I LIMITED PARTNERSHIP	2001	BOULDER GNEISS WISSAHICKON FORM.	WILLOW SPRINGS CLUB HOUSE	1,000	2,000	540	809
HO1988S003(02)	WILLOW SPRINGS I LIMITED PARTNERSHIP	2001	UNNAMED TRIB	GOLF COURSE IRRIGATION, SPRING PONDS	15,000	200,000	540	809
HO1988S017(03)	COLUMBIA ASSOCIATION, INC.	2007	MIDDLE PATUXENT RIVER	HOBBIT'S GLEN GOLF CLUB	52,000	350,000	507	827
HO1989G003(03)	THOMPSON, CARL A. & SANDY, A.	2013	LOWER PELITIC SCHIST WISSAHICKON	RESIDENTIAL GWHP - RECHARGE WELL	3,000	6,000	507	797
HO1989G016(07)	TARO INVESTMENT CORPORATION	2013	COCKEYSVILLE MARBLE	BRICK HOUSE FARM BOTTLED WATER	116,000	152,000	512	817
HO1990G016(03)	CATTAIL CREEK COUNTRY CLUB, INC.	2013	BOULDER GNEISS WISSAHICKON FORM.	CATTAIL CREEK GOLF COURSE	42,000	300,000	525	787
HO1990G017(04)	HOWARD COUNTY GOVERNMENT	2011	BALTO. GABBRO COMPLEX	TIMBERS AT TROY GOLF COURSE	71,000	260,000	498	867
HO1990S016(03)	CATTAIL CREEK COUNTRY CLUB, INC.	2013	EAST BRANCH	CATTAIL CREEK GC - MAIN POND	43,000	288,000	524	787
HO1990S017(04)	HOWARD COUNTY GOVERNMENT	2011	DEEP CREEK	TIMBERS AT TROY GOLF COURSE	3,600	7,300	498	867
HO1992G015(03)	MANGIONE ENTERPRISES OF TURF VALLEY	2012	COCKEYSVILLE MARBLE	TURF VALLEY GOLF COURSE	113,000	311,000	534	833
HO1992G202(01)	WARREN H. BOYER, INC.	2004	BOULDER GNEISS WISSAHICKON FORM.	WELL FOR SHOP AND OFFICE	100	1,000	530	793
HO1992S010(02)	COLUMBIA ASSOCIATION, INC.	2005	LITTLE PATUXENT RIVER	FAIRWAY HILLS GOLF COURSE	45,000	250,000	511	843
HO1993G005(02)	WEST FRIENDSHIP CENTER, LLC.	2005	LOWER PELITIC SCHIST WISSAHICKON	HIGH'S STORE OF WEST FRIENDSHIP	200	400	536	813
HO1993S008(05)	MANGIONE ENTERPRISES OF TURF VALLEY	2012	LITTLE PATUXENT RIVER	GOLF COURSE IRRIGATION - CHANGE	40,000	580,000	533	831
HO1993S014(01)	KRATZ, CHARLES, E.	1993	MIDDLE PATUXENT RIVER	SHRUBS AND GRASSES IRRIGATION	1,200	3,000	528	808
HO1994G003(02)	WAVERLY WOODS GOLF CLUB, LLC.	2006	BALTIMORE GNEISS	WAVERLY WOODS IRRIGATION WELL(S)	14,000	72,000	538	831
HO1994G009(02)	DOWD, TIMOTHY	2007	WISSAHICKON FORMATION	TENNIS CLUB	3,000	9,000	539	785
HO1994S003(02)	WAVERLY WOODS GOLF CLUB, LLC.	2006	DAVIS BRANCH	IRRIGATION POND	60,000	450,000	538	831
HO1995G005(03)	J.R. ENTERPRISES, LLP.	2010	BOULDER GNEISS WISSAHICKON FORM.	INWOOD VILLAGE SHOPPING CENTER	5,000	7,500	535	794
HO1995G009(02)	ROMAN CATHOLIC ARCHBISHOP	2007	LOWER PELITIC SCHIST WISSAHICKON	CHURCH	1,300	2,200	478	826
HO1995G020(03)	MANNARELLI, SR., MARIO, F.	2013	BOULDER GNEISS WISSAHICKON FORM.	33-LOT SBDN	7,000	11,700	523	786
HO1996G011(02)	TARO INVESTMENT CORPORATION	2008	COCKEYSVILLE MARBLE	TARO INVESTMENT CORPORATION	500	800	512	817
HO1997G001(02)	HOWARD COUNTY DPW	2009	BALTIMORE GNEISS	HOWARD COUNTY ALPHA RIDGE LANDFILL	252,000	288,000	538	824
HO1997G004(02)	HOWARD COUNTY DPW	2010	WISSAHICKON FORMATION	CARRS MILL LANDFILL	90,000	144,000	541	785
HO1997G014(04)	GENERAL ELECTRIC COMPANY	2011	BALTO. GABBRO COMPLEX	GROUND WATER REMEDIATION	9,500	12,500	490	852
HO1997G021(05)	THE VILLAS AT CATTAIL CREEK, LLC.	2014	SYKESVILLE FORMATION	VILLA AT CATTAIL CREEK	14,000	19,600	526	788
HO1997G024(01)	STATE HIGHWAY ADMIN	1997	LOWER PELITIC SCHIST WISSAHICKON	STATE HIGHWAY SHOP	700	1,000	516	806
HO1998G002(02)	HOWARD CO BUR ENVIRONMENTAL	2010	BALTO. GABBRO COMPLEX	HO CO DPW NEW CUT LF REMEDIATION	94,000	144,000	516	857
HO1998G005(01)	JOHN FRANK, DEPUTY FIRE CHIEF	1998	BOULDER GNEISS WISSAHICKON FORM.	FIRE & RESCUE TRAINING	500	12,000	541	798
HO1998G009(01)	GLENWOOD BAPTIST CHURCH	1998	BOULDER GNEISS WISSAHICKON FORM.	GLENWOOD BAPTIST CHURCH	100	300	521	787
HO1998G010(02)	LYNNGATE PROPERTIES, LLC.	2010	LOWER PELITIC SCHIST WISSAHICKON	TERMINAL TIRES, INC.	300	500	522	803
HO1998G013(03)	HOWARD COUNTY DPW	2010	BOULDER GNEISS WISSAHICKON FORM.	WELL FOR GLENWOOD FIRE STATION	3,400	6,400	536	791
HO1999G001(01)	CHAU MINH DO	1999	WISSAHICKON FORMATION	IRRIGATION-GROW SPROUTS	200	500	552	777
HO1999G017(01)	UNITED STATES POSTAL SERVICE	1999	BALTIMORE GNEISS	UNITED STATES POST OFFICE - HIGHLAND	100	300	491	811
HO1999S004(02)	RLO CONTRACTORS INC.	2011	CHESAPEAKE BAY	COMMERCIAL	6,000	36,000	510	803
HO1999S009(02)	COLUMBIA PARK & RECREATION ASSOC.	2012	UNNAMED TRIBUTARY	PARK & RECREATION	800	2,000	504	842
HO2000G002(02)	EDDY'S WELDING	2000	COCKEYSVILLE MARBLE	EDDY'S WELDING	1,000	1,500	540	853
HO2000G004(01)	BIG BRANCH, LLC.	2000	BOULDER GNEISS WISSAHICKON FORM.	HOMEBUILDER TOLL BROTHERS	100	200	514	798
HO2000S010(01)	FOREST RECYCLING PROJECT INC.	2000	UNNAMED TRIB	FOREST RECYCLING PROJECT	7,000	20,000	511	813
HO2000S014(02)	CATTAIL CREEK COUNTRY CLUB, INC.	2013	LITTLE CATTAIL CREEK	CATTAIL CREEK GC - SWM POND	15,000	288,000	525	786
HO2001G004(02)	3881 TEN OAKS MANAGEMENT, LLC.	2005	LOWER PELITIC SCHIST WISSAHICKON	COMERCIAL & RETAIL CENTER	2,500	3,800	522	804

TABLE 4

INVENTORY OF EXISTING **AND PROPOSED** MULTI-USE COMMUNITY WELL AND SURFACE WATER SUPPLY

Water Appropriation Permit Number and Revision	Owner	Effective Year	Aquifer	Remarks	Average Limit (gal./day)	Maximum Month Limit (gal./day)	North Coord.	East Coord.
HO2001G007(02)	HOWARD COUNTY PUBLIC SCHOOLS	2009	LOWER PELITIC SCHIST WISSAHICKON	FOLLY QUARTER MIDDLE SCHOOL	5,000	8,000	522	805
HO2001G009(02)	GLENWOOD, LLC	2013	WISSAHICKON FORMATION	GLENWOOD, LLC	3,000	4,000	535	794
HO2002G004(01)	CHANYASULKIT, JOHN & ANNA	2002	IJAMSVILLE FORM.-MARBURG SCHIST	CHLAYASULKIT	2,000	3,000	550	748
HO2002G007(01)	THOMPSON, DALE	2002	BALTIMORE GNEISS	HOME BUILDER/DEVELOPER	1,700	2,900	491	813
HO2002G009(02)	PULTE HOME CORPORATION	2004	ULTRAMAFIC ROCKS	PADDOCKS EAST 22 LOTS	4,700	7,800	525	806
HO2002G012(02)	WOODMONT ACADEMY, INC.	2014	BOULDER GNEISS WISSAHICKON FORM.	WOODMONT ACADEMY	8,300	11,000	541	799
HO2002G013(01)	CHASE MINING, LLC.	2003	BALTO. GABBRO COMPLEX	CHASE MINING	280,000	698,000	482	855
HO2002G015(02)	ST. JAMES UNITED METHODIST	2005	LOWER PELITIC SCHIST WISSAHICKON	CHURCH AND DAY SCHOOL	800	1,200	541	816
HO2002S006(02)	EASTER, JIM	2014	UNNAMED TRIB	PRIVATE RESIDENCE	200	300	492	814
HO2002S113(01)	CHASE MINING, LLC.	2003	BALTO. GABBRO COMPLEX	CHASE MINING	120,000	4,100,000	482	855
HO2003G006(02)	TOLL MD II LIMITED PARTNERSHIP,	2004	LOWER PELITIC SCHIST WISSAHICKON	90 LOT SBDN	19,100	31,900	510	825
HO2003G007(01)	RADUE, PETER	2003	IJAMSVILLE FORM.-MARBURG SCHIST	DAMASCUS EQUINE ASSOCIATES	300	500	542	757
HO2003G008(01)	RAPPALIDES, MARIA	2003	LOWER PELITIC SCHIST WISSAHICKON	W. FRIENDSHIP SHOPPING CENTER	4,300	6,100	535	813
HO2003G010(01)	GLYNN, JAMES & CAROLE	2003	BALTIMORE GNEISS	CONSIGNMENT SHOP	100	200	491	812
HO2003G011(01)	TRINITY QUALITY HOMES, INC.	2003	WISSAHICKON FORMATION	RESIDENTIAL-TRINITY QUALITY HOMES	4,500	7,500	543	776
HO2003G012(01)	HOWARD COUNTY CONSERVANCY	2003	BALTIMORE GNEISS	HOWARD COUNTY CONSERVANCY, INC.	600	1,200	540	833
HO2003G015(02)	HOWARD COUNTY PUBLIC SCHOOLS	2004	METAGRAYWACKE WISSAHICKON FORM.	WESTERN ELEM SCHOOL - TEN OAKS RD	2,100	7,700	513	804
HO2003G016(01)	DORSEY MILL, LLC.	2003	BOULDER GNEISS WISSAHICKON FORM.	RESIDENTIAL	5,500	9,200	520	795
HO2004G001(01)	GOOD HOPE REFORMED PRESBYTERIAN CHURCH	2004	BALTIMORE GNEISS	CHURCH	300	400	483	818
HO2004G002(01)	ST. PAUL'S EPISCOPAL CHURCH	2004	WISSAHICKON FORMATION	EPISCOPAL CHURCH	100	200	552	774
HO2004G003(01)	BORNEMANN, DVM, VALERIE	2004	WISSAHICKON FORMATION	GLENELG ANIMAL HOSPITAL	600	700	542	793
HO2004G005(01)	TOLL BROTHERS, INC.	2004	BOULDER GNEISS WISSAHICKON FORM.	27 RESIDENTIAL SINGLE FAMILY	5,800	9,700	519	795
HO2004G007(03)	HOMEWOOD, LLC.	2007	LOWER PELITIC SCHIST WISSAHICKON	HOMEWOOD, LLC - ADDING ONE LOT	17,200	28,300	516	825
HO2004G008(01)	MACBETH FARM, LLC.	2004	BALTIMORE GNEISS	RESIDENTIAL REAL ESTATE DEVEL	7,700	13,000	495	816
HO2004G010(01)	HOWARD COUNTY DPW	2005	WISSAHICKON FORMATION	GLENWOOD COMMUNITY CENTER	2,400	4,800	536	791
HO2004G011(01)	TRIADDELPHIA FARM, LLC.	2004	BOULDER GNEISS WISSAHICKON FORM.	SUBDIVISION	6,000	11,400	522	790
HO2004G013(02)	LIME KILN VALLEY, LLC.	2006	LOWER PELITIC SCHIST WISSAHICKON	SUBDIVISION	7,800	13,000	480	810
HO2004G014(01)	MMGMB, LLC.	2004	BOULDER GNEISS WISSAHICKON FORM.	GENERAL OFFICE BUILDING	1,400	2,000	531	790
HO2005G002(01)	MUSGROVE FARM, LLC.	2005	BOULDER GNEISS WISSAHICKON FORM.	RESIDENTIAL SUBDIVISION	6,600	11,130	524	798
HO2005G005(01)	HIGHLAND CROSSING, LLC.	2005	BALTIMORE GNEISS	HIGHLAND CROSSING, LLC	2,000	2,500	490	812
HO2005G006(01)	HERITAGE LAND DEVELOPMENT	2006	COCKEYSVILLE MARBLE	WALNUT GROVE	19,200	32,100	508	817
HO2005G007(02)	WILLIAMSBURG GROUP, LLC.	2006	LOWER PELITIC SCHIST WISSAHICKON	RESIDENTIAL SUBDIV	4,300	7,000	512	816
HO2005G009(01)	SHALEHEARTH, LLC.	2006	BALTIMORE GNEISS	SADLEBROOK FARM 13-LOT SBDN	2,800	4,700	542	835
HO2006G001(03)	RUTAN, ROBERT	2011	LOWER PELITIC SCHIST WISSAHICKON	PRIVATE RESIDENCE DEWATERING	8,500	20,000	510	836
HO2006G002(01)	HIGHLAND DEVELOPMENT CORP.	2006	LOWER PELITIC SCHIST WISSAHICKON	RESIDENTIAL SUBDIVISION 23 LOTS	4,800	7,300	500	800
HO2006G003(01)	D.R. HORTON, INC.	2006	BALTIMORE GNEISS	TURNBURY GROVE 33-LOT SBDN	7,000	11,700	499	814
HO2006G004(01)	TOLL BROTHERS, INC.	2007	BOULDER GNEISS WISSAHICKON FORM.	EDGEWOOD FARM SUBDIVISION - 60 LOTS	12,700	21,200	519	793
HO2006G005(01)	MANNARELLI & SONS	2006	WISSAHICKON FORMATION	MANNARELLI & SONS	2,400	4,000	555	783
HO2006G006(01)	CLOVERFIELD/PFEFFERKORN, LLC.	2006	BOULDER GNEISS WISSAHICKON FORM.	CLOVERFIELD/PFEFFERKORN, LLC	4,700	7,800	535	803
HO2006G007(01)	MANNARELLI & SONS	2006	WISSAHICKON FORMATION	MANNARELLI & SONS	3,200	5,300	555	783
HO2006G009(01)	WARFIELD, JR., MR & MRS K.	2006	BOULDER GNEISS WISSAHICKON FORM.	69 LOT WARFIELDS SUBDIVISION	15,000	22,000	516	796
HO2006G011(01)	LDG INCORPORATED	2006	LOWER PELITIC SCHIST WISSAHICKON	RESIDENTIAL SUBDIVISION	4,900	8,200	540	812
HO2006G012(01)	HAILEY DEVELOPMENT, LLC.	2006	LOWER PELITIC SCHIST WISSAHICKON	HAILEY DEVELOPMENT, LC	2,750	3,300	528	811
HO2006G014(01)	LEE, BRUCE	2006	WISSAHICKON FORMATION	16 LOT SBDN	3,400	5,700	552	780
HO2006G015(01)	FULTON RIDGE, LLC	2006	LOWER PELITIC SCHIST WISSAHICKON	RESIDENTIAL SUBDIVISION	3,000	5,000	485	819

TABLE 4

INVENTORY OF EXISTING **AND PROPOSED** MULTI-USE COMMUNITY WELL AND SURFACE WATER SUPPLY

Water Appropriation Permit Number and Revision	Owner	Effective Year	Aquifer	Remarks	Average Limit (gal./day)	Maximum Month Limit (gal./day)	North Coord.	East Coord.
HO2006G018(01)	DAVIS BRANCH ESTATES, LLC.	2006	BALTIMORE GNEISS	MYRTUE PROPERTES	6,600	11,100	542	835
HO2006G020(02)	HERITAGE LAND DEVELOPMENT	2009	BALTIMORE GNEISS	160-L WALNUT CREEK SUBD	34,000	56,000	510	815
HO2006G021(03)	JEANNE C. HODDINOTT	2010	BALTIMORE GNEISS	ENCLAVE AT TIERNEY FARM RES SUBD	8,500	14,100	496	817
HO2007G001(01)	RIDGE VIEW, LLC.	2007	IJAMSVILLE FORM.-MARBURG SCHIST	SINGLE FAMILY HOME SUBDIVISION	3,800	6,400	546	757
HO2007G002(01)	GRAYSON DEVELOPMENT CO.	2007	BOULDER GNEISS WISSAHICKON FORM.	GRAYSON DEVELOPMENT CO.	9,700	16,200	530	787
HO2007G003(03)	SPRING MILL, LLC.	2013	BOULDER GNEISS WISSAHICKON FORM.	15-L CLOVERFIELD SECTION II RES SUBD	3,200	5,300	536	802
HO2007G004(01)	GREEN, KATHLEEN	2007	LOWER PELITIC SCHIST WISSAHICKON	CROSSROADS PUB - PDWIS# 113-1026	400	600	512	804
HO2007G005(04)	ELM STREET DEVELOPMENT, INC.	2012	IJAMSVILLE FORM.-MARBURG SCHIST	14-L CHELSEA KNOLLS RES SUBD	3,000	5,000	540	757
HO2007G011(01)	QUARTZ HILL, LLC.	2007	BOULDER GNEISS WISSAHICKON FORM.	QUARTZ HILL RESIDENTIAL SUBDIV	2,600	4,500	550	796
HO2007G012(01)	HOMEWOOD, LLC.	2007	LOWER PELITIC SCHIST WISSAHICKON	HOMEWOOD, LLC - RIVERWOOD SUBDIV	300	500	516	825
HO2007G013(01)	SKIRVEN ENTERPRISES, INC.	2008	WISSAHICKON FORMATION	29-LOT THE LEGACY RES SUBD	6,400	10,000	522	774
HO2008G001(02)	GREENFIELD HOMES, INC.	2009	BALTIMORE GNEISS	14-LOT WILLOW POND RESIDENTIAL SUBD	3,000	5,000	495	814
HO2008G004(01)	JOHNS HOPKINS UNIV/APL	2008	LOWER PELITIC SCHIST WISSAHICKON	COOLING WATER, IRRIGATION, BACKUP	5,000	10,000	487	830
HO2008G010(01)	HERITAGE LAND DEVELOPMENT	2009	BOULDER GNEISS WISSAHICKON FORM.	MERIWETHER-SECT.2, PHASE 1&2	9,700	16,200	519	791
HO2008S006(01)	THOMAS, BENNETT AND HUNTER	2008	PATAPSCO RIVER	DUST CONTROL, PATAPSCO WATERSHED	1,000	5,000	550	834
HO2008S007(01)	THOMAS, BENNETT AND HUNTER	2008	PATUXENT RIVER	DUST CONTROL, PATAPSCO WATERSHED	1,000	5,000	540	754
HO2008S008(01)	STATE HIGHWAY ADMINISTRATION	2008	PATUXENT RIVER	WATER FOR DRILLING AND CORING	300	1,000	500	860
HO2008S009(01)	RED HILL LAWN SERVICE, INC.	2008	PATUXENT RIVER	HYDROSEEDING	1,500	6,000	500	860
HO2009G001(01)	THE BRANTLEY GROUP	2009	LOWER PELITIC SCHIST WISSAHICKON	TERRAPIN CROSSING SUBDIVISION	9,900	16,600	532	811
HO2010G001(01)	VLADIMIR BLYUKHER	2010	LOWER PELITIC SCHIST WISSAHICKON	GWHP- STANDING COLUMN WELL	6,000	9,000	513	830
HO2013G001(01)	JOHNSTON CONSTRUCTION COMPANY	2013	LOWER PELITIC SCHIST WISSAHICKON	MINE CONSTRUCTION AND DEWATERING	400	1,300	603	833
HO2013S001(01)	HOWARD COUNTY DPW	2013	PATUXENT FORMATION	SEWAGE TREATMENT PLANT	1,800	60,000	470	853
HO2013S003(01)	EAST COAST GREEN, INC.	2013	CHESAPEAKE BAY	IRRIGATION	2,000	35,000		
HO2013S004(01)	J.K. PATTON TURF FARM, LLC.	2013	CHESAPEAKE BAY	IRRIGATION	3,000	21,000		
HO2013S005(01)	HOWARD CO. BUREAU OF ENV. SERVICES	2013	PATUXENT RIVER	HOWARD COUNTY ALPHA RIDGE LANDFILL	900	6,000	538	824
HO2014G002(01)	M.B. HIGHLAND RESERVE, LLC.	2014	BALTIMORE GNEISS	HIGHLAND RESERVE RESIDENTIAL SUBDIV	5,100	8,400	492	816
HO2014G003(01)	GREENBERRY, INC.	2014	LOWER PELITIC SCHIST WISSAHICKON	RESIDENTIAL SUBDIV	5,700	10,000	510	808
HO2014S002(01)	BUFFALO CONSTRUCTION COMPANY, INC.	2014	PATAPSCO RIVER	COMMERCIAL	800	4,000		
HO2019G001(01)	Mitron Parcel 1, LLC	2021	LOWER PELITIC SCHIST OF WISSAHICKON	MULTIUSE RESIDENTIAL	12,600	21,000	482	819

**TABLE 10A
SUMMARY OF EXISTING AND PLANNED PERMIT DISCHARGES**

Facility	State Permit Number	NPDES Permit Number	Permit Type	Actual Average Flow (MGD)
Alpha Ridge Municiple landfill	13DP3224	MD0067865	Industrial Individual	0.082
American Infrastructure-MD,Inc. - Jessup Asphalt	10MM2110	MDG492110	General Permit - Mineral Mine	NA
Annapolis Junction RMC Plant	10MM8018	MDG498018	General Permit - Mineral Mine	NA
Ashleigh Knolls Subdivision	14DP3102	MD3102N06	Groundwater	NA
Bardon, Inc. (dba Aggregate Industries)	10MM9804	MDG499804	General Permit - Mineral Mine	NA
Bay Ready Mix Concrete	10MM8028	MDG498028	General Permit - Mineral Mine	No Discharge
Carrs Mill Landfill	13DP3226	MD0067873	Industrial Individual	0.0627
CATTA L CREEK COUNTRY CLUB	19DP3863	MD3863N19	GROUNDWATER	NA
Daniel G. Schuster Inc.- Jessup	10MM9739	MDG499739	General Permit - Mineral Mine	NA
Dayton Oaks Elementary School	09DP3479	MD3479N04	Groundwater	0.0042
Eyre's Bus Service, Inc.	11DP2349	MD2349NOO	Groundwater	0.0017
General Electric Company - Former Appliance Park East Facility	12DP3245	MD0067938	Industrial Individual	0.01
Glenelg Country School WWTP	12DP3409	MD3409N02	Groundwater	0.0013
Glenelg High School WWTP	10DP341,2	MD3412N02	Groundwater	0.025
Homeland Senior Living Community WWTP	10DP343	MD3435N03	Groundwater	0.020
Howard County Bureau of Utilities - Elevated Water Tanks	11HT9501	MDG679501	Hydrostatic Testing	NA
Jessup Plant	10MM8053	MDG498053	General Permit - Mineral Mine	0.028
Jessup Ready Mix Concrete Plant	10MM8046	MDG498046	General Permit - Mineral Mine	No Discharge - less than 0.0001
Johns Hopkins University - Applied Physics Laboratory	11HT5179	MDG675179	General Permit - Hydrostatic Testing	NA
Johns Hopkins University - Applied Physics Laboratory	12DP3607	MD0070009	Industrial Individual	Pipe 1- 0.044, Pipe 2 - NA
Lisbon Shopping Plaza WWTP	14DP3405	MD3405N02	Groundwater	System A- 0.0078, System 8- NA
Little Patuxent Water Reclamation Plant	13DP1421	MD0055174	Surfacewater Municipal	20.7
<u>LYHUS PROPERTY</u>	<u>NOT ISSUED YET</u>	<u>NOT ISSUED YET</u>	<u>GROUNDWATER</u>	<u>NA</u>
Manor Hill Brewing	15DP3823	MD3823G15	Groundwater	NA
Marriotts Ridge High School WWTP	14DP3417	MD3417N02	Groundwater	0.009

**TABLE 10A
SUMMARY OF EXISTING AND PLANNED PERMIT DISCHARGES**

Maryland & Virginia Milk Producers Assoc.	15DP0033	MD0000469	Industrial Individual	0.325
Modern Foundations Inc.	10MM8066	MDG498066	General Permit - Mineral Mine	0.002
Mount Airy Bible Church , Inc.	10DP3691	MD3691N10	Groundwater	NA
New Bushy Park Elementary & Glenwood Middle Schools WWTP	11DP3521	MD3521N05	Groundwater	0.0072
New Cut Landfill	13DP3262	MD0068039	Industrial Individual	0.085
Peddicord Property WWTP	11DP3506	MD3506N05	Groundwater	0.0025
Piccirilli Quarry	10MM9891	MDG499891	General Permit - Mineral Mine	No Discharge
Rockville Fuel and Feed	10MM9770	MDG499770	General Permit - Mineral Mine	0.00078
Savage Stone, LLC	10MM9765	MDG499765	General Permit - Mineral Mine	Pipe 1- 0.058, Pipe 2- 0.330
Riverwood Phase II Shared Sewage Facility	11DP3544	MD3544N06	Groundwater	0.0042
The Villas at Cattail WWTP & WTP	11HT5050	MDG675050	General Permit - Hydrostatic Testing	NA
The Villas at Cattail WWTP & WTP	14DP3260	MD3260N98	Groundwater	0.014
Triadelphia Ridge Elementary School	13DP3223	MD3223N07	Groundwater	0.0086
University of MD Agricultural Center	11HT5165	MDG675165	General Permit	NA
W.R. Grace & Company	07DP3254	MD0067997	Industrial Individual	No Discharge
Wah Property	14DP3598	MD3598N14	Groundwater	NA
Walnut Creek Subdivision	11DP3538	MD3538N06	Groundwater	NA
Walnut Grove Shared Facility WWTP	11DP3504	MD3504N05	Groundwater	0.0502
Western Regional Park WWTP	10DP3448	MD3448N03	Groundwater	0.00023

Note : Facilities that did not have records of actual average flow or total design flow quantities are marked NA