Maryland Transportation Authority
MDTA

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John F. von Paris

William Pines, PE, Acting Executive Director

March 17, 2022

Ms. Christina Lyerly
Maryland Department of the Environment
Water and Science Administration
1800 Washington Boulevard
Baltimore, Maryland 21230

RE: National Pollutant Discharge Elimination System (NPDES)
MS4 Phase II General Discharge Permit No. 13-SF-5501
Progress Report – FY 2021 – Comment Responses

Dear Ms. Lyerly:

In October 2021, MDTA submitted its progress report for fiscal year (FY) 2021, the third year of the permit term for MS4 Permit No. 13-SF-5501. This submission included the Impervious Area Restoration Form and Work Plan, which discussed MDTA's plans to meet the Chesapeake Bay Restoration and Total Maximum Daily Load (TMDL) requirements. MDE provided comments to MDTA on February 23, 2022.

MDTA intends to fully address all comments provided by MDE, as part of the FY22 progress report. However, we would like to respond immediately to Comment #7.a:

- The (BMP) database included inspection dates from 2019 or later for 612 of 620 BMPs. MDTA reported that BMPs are inspected on a three-year schedule. Inspections were conducted on 184 BMPs and maintenance implemented on 166 BMPs, within the FY 2021 reporting period. The Department advises that BMPs must be inspected and maintained in accordance with the annual and seasonal maintenance schedules provided on the approved stormwater management plans. Triennial inspections do not meet these requirements. The Department requests that MDTA develop a plan to enhance this program to meet inspection and maintenance requirements.

The NPDES permit under which MDTA currently operates (13-SF-5501), requires all active BMPs to be inspected every 3 years and routinely maintained (Part V, Section D of the permit – BMP Database Tracking). MDTA meets these requirements through the implementation of a robust BMP inspection, maintenance, and remedial program which is executed each year to remain in compliance with the permit. MDTA owns and maintains approximately 650 BMPs,

with the number expected to increase by 50% over the next 3 years. As stated in the report, BMP inspections and maintenance are factored into MDTA's annual operating budget to ensure that BMPs are never in poor condition such that their functioning is compromised. MDTA's BMP inspections Manual ensures that inspections are conducted methodically and effectively such that long term BMP maintenance costs are not excessive. Our high batting average of stable and functioning BMPs is indicative of the success of the current program.

Annual/cyclical/preventative maintenance activities are performed each year at all BMPs. Operations and Maintenance staff perform mowing, trash and debris removal, vegetation management, and stabilization activities throughout all MDTA owned and operated facilities. BMP Operations and Maintenance Manuals for each facility are shared with the Chief Facility Maintenance Officers and staff. The Manuals include descriptions of BMP types, along with the typical annual or cyclical maintenance activities required. The annual and seasonal maintenance schedules are used as a guide when developing these manuals. The manuals are continually updated and enhanced to simplify and clarify the language within while keeping up with the growing BMP inventory.

The Maintenance Manual also includes standard punch list work order forms. These forms are populated by engineering staff in response to defects observed during annual compliance inspections and provided to maintenance groups to perform corrective actions. These specific corrective activities, above and beyond the annual cyclical maintenance activities, are tracked in the MDTA database and provided in the annual report summaries (e.g. the 166 BMPs noted in the comment).

If you have any questions, please do not hesitate to contact me at 410-537-7874 or Joyce Rebar at 410-537-7857.

Sincerely,

Peter Mattejat, P.E.
Environmental Manager
Office of Engineering and Construction
Maryland Transportation Authority

Enclosures:

cc: Alisha Bennett, MDTA
Joyce Rebar, MDTA

Maryland Transportation Authority
MDTA

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March 17, 2022

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inventory expected to increase by 50% over the next 3 years due to major capital projects. As stated in ~~the~~our annual report~~s~~, BMP inspections and maintenance are factored into MDTA's annual operating budget to ensure that BMPs are ~~never~~ in ~~poor~~ good condition and functioning as designed ~~such that their functioning is compromised~~. MDTA's BMP inspections Manual ensures that inspections are conducted methodically and effectively such that long term BMP maintenance costs are not excessive. Our high batting average of stable and functioning BMPs is indicative of the success of the current program.

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If you have any questions, please do not hesitate to contact me at 410-537-7874 or Joyce Rebar at 410-537-7857.

Sincerely,

Peter Mattejat, P.E.
Environmental Manager
Office of Engineering and Construction
Maryland Transportation Authority

Enclosures:

cc: Alisha Bennett, MDTA
Joyce Rebar, MDTA

Maryland Transportation Authority
MDTA

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John F. von Paris

James F. Ports, Jr., Executive Director

October 29, 2021

Ms. Deborah Cappuccitti
Maryland Department of the Environment
Water and Science Administration
1800 Washington Boulevard
Baltimore, Maryland 21230

RE: National Pollutant Discharge Elimination System (NPDES)
MS4 Phase II General Discharge Permit No. 13-SF-5501
Progress Report – FY 2021

Dear Ms. Cappuccitti:

The Maryland Transportation Authority (MDTA) is pleased to submit our Progress Report for Year 3 of the NPDES Municipal Separate Storm Sewer System (MS4) Phase II General Permit, Number 13-SF-5501. The submittal addresses MDE's comments on the Year 2 Progress Report and highlights our actions during the past fiscal year (July 2020 through June 2021) to meet the Chesapeake Bay Restoration requirements. The following are highlights of MDTA's accomplishments on the Chesapeake Bay Restoration goals:

- Continued to inspect and maintain BMPs used for baseline and restoration credit.
- Verified that the restoration goal has not changed since Year 2.
- Recomputed restoration credits based on stormwater management treatment from redevelopment projects, stormwater retrofit projects, and alternative urban BMPs such as street sweeping. MDTA has exceeded the TMDL restoration goal.

The following information is provided with this progress report:

- State and Federal Small MS4 Progress Report [Appendix D, Section I of the General Permit (using "fillable form" provided by MDE)]
- Impervious Area Restoration Work Plan, FY 2021 - Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads
  - Appendix A includes Responses to MDE comments on the Year 2 MS4 Progress Report.
  - Appendix B includes MS Excel Urban BMP Database
  - Appendix C includes MS Excel Restoration Activity Schedule

If you have any questions, please do not hesitate to contact me at 410-537-7874 or Joyce Rebar at 410-537-7857.

Sincerely,

Peter Mattejat, P.E.
Environmental Manager
Office of Engineering and Construction
Maryland Transportation Authority

Enclosures:
MS4 Progress Report Fillable Form
FY21 Impervious Area Work Plan
Appendix A – MDE Comment Responses
Appendix B – Urban BMP Database
Appendix C – Restoration Activity Schedule

cc: Paul Truntich, MDTA
Joyce Rebar, MDTA

Maryland Transportation Authority

IMPERVIOUS AREA RESTORATION WORK PLAN FY 2021

Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads

October 2021

National Pollutant Discharge Elimination System General Permit for Discharges from State and Federal Municipal Separate Storm Sewer Systems Permit Number 13-SF-5501

SUBMITTED TO:
Maryland Department of the Environment
Water and Science Administration
Program Review
1800 Washington Boulevard
Baltimore, Maryland 21230

SUBMITTED BY:
Maryland Transportation Authority
Office of Engineering and Construction
Environmental Division
300 Authority Drive
Baltimore, Maryland 21222

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Appendix C: Restoration Activity Schedule
(Digital Submission in MS Excel Format)

IMPERVIOUS AREA RESTORATION WORK PLAN – FY 2021

Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads

October 2021

Maryland Department of the Environment (MDE)
Water and Science Administration (WSA)

National Pollutant Discharge Elimination System (NPDES)
General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4)

This annual reporting form is intended for those agencies covered under General Discharge Permit No. 13-SF-5501. Submitting this report constitutes notice that the entity identified below is making progress to comply with all terms and conditions of the General Permit.

MDE Contact:

Ms. Deborah Cappuccitti
Maryland Department of Transportation
Maryland Department of the Environment
Water and Science Administration

1800 Washington Boulevard Baltimore, Maryland 21230

Phone: 410-537-3543
Fax: 410-537-3553

Web: www.mde.state.md.us

MDTA Contact:

Maryland Transportation Authority (MDTA)
Office of Engineering and Construction

300 Authority Drive, Baltimore, MD 21222-2200

Peter Mattejat, P.E., Environmental Manager
pmattejat@mdta.state.md.us
Joyce Rebar, E.I.T., Stormwater Engineer
jrebar@mdta.state.md.us

Phone: 410-537-7874, 410-537-7857
Fax: 410-537-7801

ACRONYMS AND ABBREVIATIONS

BHT	Baltimore Harbor Tunnel
BMP	best management practice
ESD	environmental site design
ETL	express toll lanes
FMT	Fort McHenry Tunnel
FSK	Francis Scott Key Bridge
FY	fiscal year
GIS	geographic information system
HWN	Harry W. Nice Memorial Bridge
ICC	Intercounty Connector
JFK	John F. Kennedy Memorial Highway
MCM	minimum control measure
MD	Maryland
MDE	Maryland Department of the Environment
MDTA	Maryland Transportation Authority
MEP	maximum extent practicable
MS4	Municipal Separate Storm Sewer System(s)
NPDES	National Pollutant Discharge Elimination System
TJH	Thomas J. Hatem Bridge
TMDL	Total Maximum Daily Load
WO	work order
WPL	William Preston Lane Jr. Memorial (Bay) Bridge

1 Introduction

The Maryland Transportation Authority (MDTA) has maintained coverage of its properties since September 8, 2005 under the *National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges from State and Federal Small Municipal Separate Storm Sewer Systems (MS4)* issued by the Maryland Department of the Environment (MDE). The goal of the NPDES MS4 Phase II Permit is to control and improve the quality of stormwater discharged from state and federal properties covered under the General Permit by requiring permittees to comply with the six minimum control measures (MCM). The first-generation permit was administratively extended after its expiration date on November 12, 2009. The NPDES MS4 Phase II Permit was renewed and updated by MDE and became effective on October 31, 2018. This permit incorporates the Chesapeake Bay Total Maximum Daily Load (TMDL) requirements for nutrients and sediment issued by the United States Environmental Protection Agency (EPA). The permit requires treatment of 20 percent of the untreated impervious area as of a permittee-established baseline year using MDE-approved best management practices (BMPs) with implementation by 2025 at the latest. This report presents MDTA's analysis demonstrating compliance with the Chesapeake Bay TMDL.

Properties covered by MDTA's permit include MDTA toll roadways and their crossings, as well as their related campuses and maintenance facilities. The roadways covered under the permit are: I-95 of John F. Kennedy Memorial Highway (JFK); US 40 at the Thomas J. Hatem Memorial Bridge (TJH); I-95 and I-395 by the Fort McHenry Tunnel (FMT); I-895 at the Baltimore Harbor Tunnel (BHT) Throughway; I-695 at the Francis Scott Key Bridge (FSK); US 50/301 at the William Preston Lane Jr. Memorial (Bay) Bridge (WPL); US 301 at the Harry W. Nice Memorial Bridge (HWN); and the Intercounty Connector (ICC) / MD 200.

Figure 1 shows the location of MDTA toll roadways and crossings, followed by brief descriptions of each.

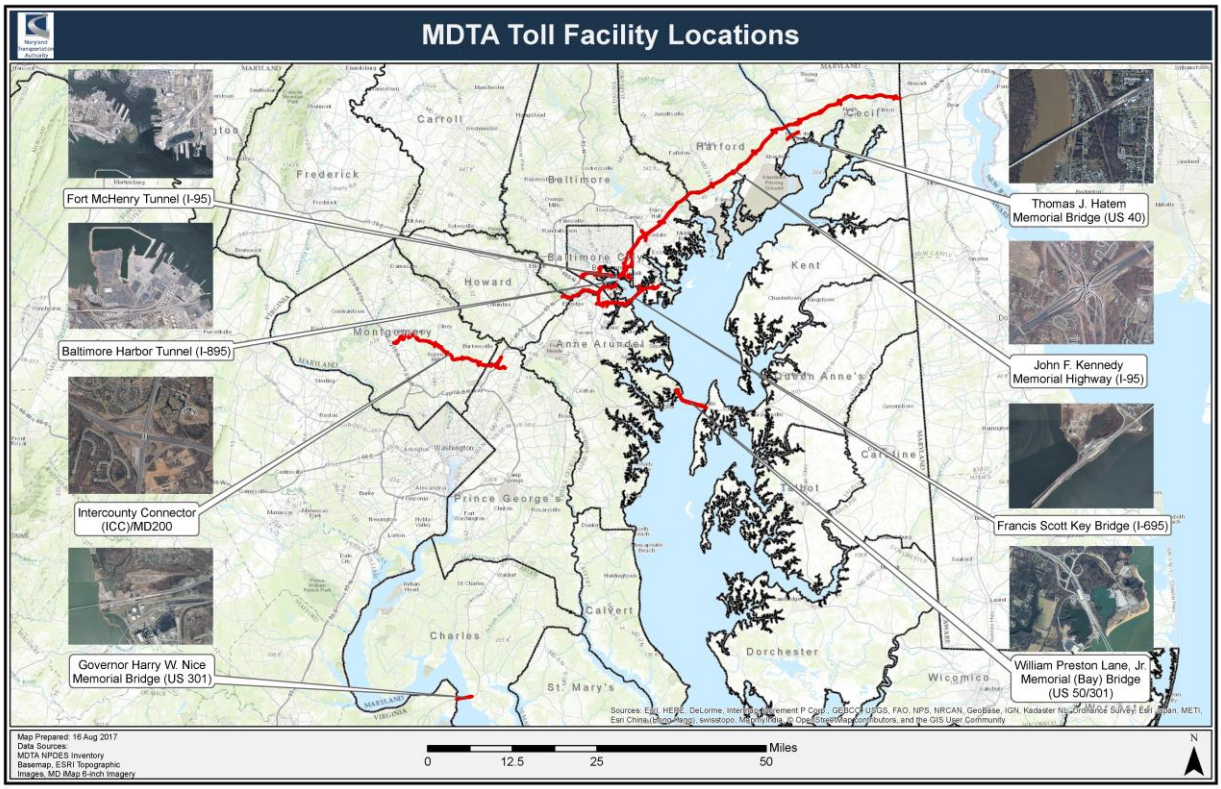

Figure 1: MDTA Toll Roadways

1.A I-95 John F. Kennedy (JFK) Memorial Highway

JFK Highway, which opened in 1963, is a 50-mile section of I-95 extending from the Baltimore city line to the Delaware state line. To the north of the MD 24 interchange, the roadway is six lanes wide with two travel plazas in the median. Tolls are collected electronically only in the northbound direction at the 12-lane electronic toll plaza, located 1 mile north of the Millard E. Tydings Memorial Bridge over the Susquehanna River.

South of the MD 24 interchange, the roadway is eight lanes wide, except for a 9-mile section along the mainline of I-95 from the intersection with I-895 to north of the MD 43 interchange, where the Section 100 Express Toll Lanes (ETL) megaproject added extra lanes. This roadway section and the related I-695 interchange were widened to include the ETL. Tolls for the ETL lanes are collected automatically at highway speeds. There are additional ongoing roadway enhancement design projects. ETL lanes will be extended from north of MD 43 to north of MD 24 and will be open to traffic by 2023. JFK Highway includes two maintenance facilities, which are located in Bel Air, MD, and Elkton, MD.

1.B US 40 at Thomas J. Hatem (TJH) Memorial Bridge

The TJH Bridge spans the Susquehanna River on US 40 and is approximately 1 mile long. This four-lane bridge, which opened in 1940, includes 1 mile of roadway approaching either side of

the bridge and an electronic toll plaza in the eastbound direction. The bridge includes one maintenance facility, located in Perryville, MD.

1.C I-95 / I-395 at Fort McHenry Tunnel (FMT)

The FMT is a 1.5-mile section of I-95 below the Patapsco River, immediately south of JFK. Opened in 1985, it is an eight-lane roadway with more than 11 miles of roadway and elevated structures along I-95 and I-395 through Baltimore City. There is also an electronic toll plaza servicing both directions. The FMT includes one maintenance facility, located in Baltimore, MD.

1.D I-895 Baltimore Harbor Tunnel (BHT) Throughway

BHT is a 1.4-mile section of I-895 below the Patapsco River, opened in 1957. The BHT Throughway is a four-lane-wide roadway with more than 20 miles of roadway and elevated structures, and an electronic toll plaza in both directions. A large roadway project is underway for the section known as Canton Viaduct, which is immediately north of the tunnel. From late 2018 until mid-2021, extensive rehabilitation is occurring on the tunnel bores as well as the immediate approach roadways. The BHT has one maintenance facility, located in Baltimore, MD.

1.E I-695 at Francis Scott Key (FSK) Bridge

The FSK Bridge is a 1.8-mile section of I-695 spanning the Patapsco River. Opened in March 1977, FSK is a four-lane-wide roadway with more than 10 miles of roadways, elevated structures, and bridges, and there is an electronic toll plaza servicing both directions. FSK includes one maintenance facility, located in Baltimore, MD.

1.F US-50 / US-301 at William Preston Lane Jr. (WPL) Memorial Bridge

The WPL Bridge, also known as the Bay Bridge, is a 4.3-mile section of US 50 that spans the Chesapeake Bay. The eastbound bridge opened in 1952 and is two lanes wide; the westbound bridge opened in 1973 and is three lanes wide. The facility includes more than 1 mile of roadway approaching either side of the bridge and an electronic toll plaza that services only the eastbound direction. The WPL includes one maintenance facility, located in Annapolis, MD.

1.G US-301 at Governor Harry W. Nice (HWN) Memorial Bridge

The HWN Memorial Bridge is a 1.7-mile section of US 301 that spans the Potomac River. Opened in 1940, HWN is a two-lane-wide roadway with 2.4 miles of four-lane roadway approaching either side of the bridge, and an electronic toll plaza in the southbound direction. HWN includes one maintenance facility, located in Newburg, MD.

A new four-lane bridge is currently being constructed to replace the existing two-lane bridge. The new bridge is scheduled to open in early 2023. The bridge will be constructed to meet

current MDE stormwater management regulations and all BMPs that will be implemented as a part of this project will be included in the urban BMP database.

1.H MD 200 Intercounty Connector (ICC)

The ICC is an 18.8-mile, east-west highway that links the corridors of I-270 and I-95 / US 1. The six-lane-wide roadway opened in 2011 and was completed in 2015. This state-of-the-art, multimodal highway has an unprecedented integration of stormwater management and environmental restoration projects (e.g., stream restoration, fish passages, wetlands). Tolls for the ICC are collected electronically. The ICC includes two maintenance facilities, located in Laurel, MD, and Derwood, MD.

1.I Campuses and Maintenance Facilities

The NPDES MS4 Phase II Permit covers campuses affiliated with MDTA operations and the E-ZPass customer service centers. The operations campuses include office buildings for administration, finance, human resources, and engineering-related operations along with their associated parking lots. The MDTA operations campuses are located at FSK and Point Breeze in Baltimore. The E-ZPass customer centers are located adjacent to the BHT, TJH, JFK, WPL, FMT, and HWN roadways.

There are 11 maintenance facilities, which are located along the MDTA roadways where maintenance activities occur (e.g., garages, storage bins, salt barns, vehicle maintenance). These maintenance facilities are regulated under the General Permit for Stormwater Associated with Industrial Activities (Permit 12-SW). The impervious areas at the maintenance facilities and campuses are included as a part of the MS4 impervious area estimates for compliance with the Chesapeake Bay Restoration requirements.

2 MS4 Progress Report Requirements

As required by the NPDES MS4 Phase II Permit, MDTA submits an annual MS4 Progress Report. This annual Progress Report includes updates on impervious area restoration activities since the FY 2020 submission. Within the Progress Report, MDTA presents MDTA's Impervious Area Restoration Work Plan to meet the Chesapeake Bay Restoration TMDL requirements, The Work Plan includes:

- An impervious area baseline assessment identifying:
  - Total impervious area covered under the MS4 Phase II Permit and the Industrial Stormwater Permit
  - Total impervious area treated by stormwater quality BMPs
  - Total impervious area treated by BMPs providing partial water quality treatment
  - Total impervious area treated by nonstructural practices (e.g., rooftop disconnections, non-rooftop disconnections)

  - Verification that any impervious area draining to BMPs with missing inspection records is not considered treated
  - The required 20 percent treatment goal
  - Activities and milestones performed over the permit term to meet the 20 percent treatment requirements (Restoration Activity Schedule)
- Funding needs for proposed BMPs and the long-term budget.
- Any opportunities identified to develop partnerships with other NPDES permittees

This report has been updated to address comments from MDE on MDTA's second Annual Progress Report submission in October 2020. Point-by-point responses to these comments are provided as a part of the FY 2021 MS4 Progress Report, in **Appendix A**. This analysis was conducted considering the combined requirements of all MDTA facilities as they are covered under the same NPDES permit per the Notice of Intent filed by MDTA in October 2018.

3 Impervious Area Restoration Work Plan

3.A Impervious Baseline Assessment

To meet the Chesapeake Bay Restoration requirements, the baseline year for the impervious area assessment, according to MDE guidance, is recommended to be 2002 because that is the year the MDE *Stormwater Management Design Manual* was fully implemented. BMPs implemented after 2002 are typically designed according to the current MDE regulations. However, MDTA's analysis was conducted using 2018 as the baseline year of assessment because that is the year of the best available aerial imagery and land use data for all MDTA facilities, to establish the baseline impervious cover.

Based on the 2018 data, MDTA's (roadways, campuses, and maintenance facilities) impervious area is estimated to be **2,329.7 acres**.

3.B Stormwater Management

As a part of the impervious baseline assessment, stormwater management provided by BMPs implemented prior to the baseline year was determined. MDTA has 618 active BMPs, such as stormwater ponds, sand filters, grass swales, infiltration trenches, open channels, and bioretention facilities. Environmental site design (ESD) practices include micro-bioretention facilities, rain gardens, modified bioswales, and permeable pavement. Some of these BMPs were implemented prior to 2002 and therefore only provide partial water quality treatment. Certain BMP types implemented prior to 2002, such as dry pond and dry extended detention structures, provide no water quality treatment per MDE guidelines. BMPs constructed after 2002 follow current MDE stormwater management guidelines and provide water quality treatment to the maximum extent practicable. Disconnections of rooftop and non-rooftop runoff were not evaluated for MDTA facilities, and therefore are not included in the baseline assessment calculations.

3.B.1 Analysis of Existing Documentation

The structural BMPs and ESD practices at MDTA facilities are part of MDTA's stormwater asset management program, which organizes records such as design plans, stormwater management reports, and stormwater as-builts. MDTA tracks year of implementation, degree of water quality treatment, and the associated impervious area treatment provided for each practice.

BMPs were analyzed using available records, such as design plans, stormwater management reports, and as-built drawings to determine the year of implementation, water quality treatment volume, and associated impervious area treatment provided. The treated impervious area credits assigned to each BMP depend on the type of BMP and the extent of water quality treatment provided. The year of construction was also used as a reference to evaluate the water quality treatment that should be provided by the BMP. For example, MDE required water quality BMPs built between 1985 and 2002 to treat the stormwater runoff from 0.5 inch of rainfall, which is half the current stormwater management standard of 1 inch.

The BMP records were also used to determine if the BMP was originally built to meet MDE's stormwater management requirements for new development/redevelopment or if the BMP was retrofitted to provide additional water quality treatment. Per the guidelines in the General Permit, impervious area treated by BMPs retrofitted or implemented for redevelopment projects after January 1, 2006, until the permit effective date can be counted toward Chesapeake Bay Restoration goals. Therefore, MDTA used the documented BMP type combined with the year of implementation and the construction purpose to determine if the impervious area treatment credits should be included in the baseline assessment or toward meeting the Chesapeake Bay Restoration treatment goals.

Detailed information on existing structural BMPs, including BMP ID, type, treatment area, rainfall treatment depth, and impervious area treatment credits, is contained in the existing Urban BMP Database. The database, which was developed according to MDE requirements and submitted along with the annual MS4 Progress Report for MDE review, is provided in **Appendix B**.

Structural BMPs and ESD practices implemented until the baseline year, treat a total of 531.78 acres of impervious area. This includes treatment credits from BMPs providing full and partial water quality volume treatment. **Table 1** is a summary of the drainage area and equivalent impervious area treated by structural BMPs and ESD practices included in the baseline assessment.

Table 1: Credits from BMPs at MDTA Properties Included in the Baseline

Property	Structural or ESD	Drainage Area (acres)	Equivalent Treated Impervious Area (acres)
John F. Kennedy Memorial Highway	Structural Practices	224.35	43.58
	ESD	-	-
Thomas J. Hatem Memorial Bridge	Structural Practices	0.15	0.04
	ESD	-	-

Property	Structural or ESD	Drainage Area (acres)	Equivalent Treated Impervious Area (acres)
Fort McHenry Tunnel	Structural Practices	-	-
	ESD	-	-
Baltimore Harbor Tunnel	Structural Practices	-	-
	ESD	-	-
Francis Scott Key Bridge	Structural Practices	23.82	4.58
	ESD	0.86	0.68
William Preston Lane Jr. Memorial Bridge	Structural Practices	7.21	2.86
	ESD	1.02	.57
Harry W. Nice Memorial Bridge	Structural Practices	-	-
	ESD	-	-
Point Breeze Campus	Structural Practices	0.7	0.47
	ESD	-	-
Intercounty Connector	Structural Practices	977.7	303.5
	ESD	-	-
Express Toll Lanes (ETL)	Structural Practices	391.4	175.5
	ESD	-	-
	Total	1,627.21	531.78

3.B.2 As-Built Approval Letters

MDTA currently has 65 as-built acceptance letters for 39 projects (491 BMPs). Additionally, there are 16 projects (71 BMPs) for which MDTA is awaiting replacement copies of previous as-built acceptance letters from MDE.

MDTA will continue to coordinate with MDE to obtain as-built acceptance letters for the BMPS with as-built plans submitted. For projects with unsubmitted as-built plans, MDTA will work to submit complete data packages to MDE. As new projects are completed to various stages, MDTA will submit data to MDE as they become available.

If MDTA determines that they will be unable to obtain as-built data for credited BMPs by the end of the permit term, MDTA will evaluate options for verifying the water quality treatment provided by BMPs, including conducting a thorough water quality and impervious area verification inspection per MDE's guidelines, which are described in the *Stormwater Best Management Practices (BMPs) and Completion Dates for MS4 Permitting Purposes Memorandum,* on each BMP that is missing records. Credits from BMPs determined not to provide water quality treatment will be eliminated.

3.B.3 Inspections and Maintenance

MDE guidelines state that only BMPs that are functioning as designed earn treatment credit. MDTA has a robust inspection and remediation program that follows the MDTA *Stormwater*

Best Management Practices Field Inspection Manual (January 2017) as the standard operating procedure. Each feature of a BMP is inspected and scored, and an overall rating is assigned to the BMP.

- Ratings of A and B indicate that the BMP is functioning as designed.
- Ratings of C and D indicate that the BMP is operational but is a potential candidate for minor or major repair.
- A rating of E indicates that the BMP is not functional and may have significant problems. MDTA does not currently have any BMPs with an E rating.

BMPs that receive a grade other than A or B are assigned for repair under either a work order (WO) for MDTA maintenance crews or a task order (TO) for Maryland Environmental Services. The inspection date and the rating are tracked to ensure that the WO / TO is implemented within the 3-year inspection cycle. If a BMP were to remain in failing condition past the next reporting cycle, MDTA would remove the impervious area treatment credit of that BMP from the database until the BMP is brought into working order. Inspections and maintenance dates have been updated in the Urban BMP Database to reflect any work conducted in FY 2021. Some triennial inspections and maintenance have been delayed due to the ongoing COVID-19 pandemic, though operations are still expected to occur within the required time frame.

BMP inspections and maintenance are factored into MDTA's annual operating budget to ensure that BMPs are never in poor condition such that their functionality is compromised. MDTA's BMP Inspections Manual ensures that inspections are conducted methodically and effectively, such that long-term BMP maintenance costs are not excessive. Long-term costs are based upon estimated staff-hours and hourly rates required to maintain and restore different categories of BMPs, projected across a 10-year maintenance cycle and accounting for inflation.

4 Chesapeake Bay Restoration Goal

The Chesapeake Bay Restoration requirements mandate restoration of 20% of untreated impervious areas identified in the baseline assessment. As described in Section 3.A, the baseline impervious cover at all MDTA facilities is 2,329.65 acres. Approximately 531.78 acres of baseline impervious area are treated by BMPs providing full and partial water quality treatment, as shown in **Table 1** above. **Table 2** below shows the impervious restoration target, calculated as 20 percent of the untreated baseline impervious area. The calculations in **Table 2** do not include the impervious area treatment provided by BMPs implemented for redevelopment and restoration projects between January 1, 2006, and the present because these credits will be applied toward the Chesapeake Bay Restoration goal.

Table 2: Chesapeake Bay Restoration Goal

	Description	Impervious Area (acres)
A	Baseline Impervious Cover	2,329.65

	Description	Impervious Area (acres)
B	Total impervious area treated by BMPs providing full water quality treatment at baseline year	501.25
C	Total impervious area treated by BMPs providing partial water quality treatment at baseline year	30.53
D = B + C	Treated impervious area	531.78
F = A – D	Existing untreated impervious area	1797.87
G = 20%*F	**20% GOAL (acres)**	**359.57**

BMPs = best management practices

5 Chesapeake Bay Restoration Credits

Although not required by the previous NPDES MS4 Phase II General Permit and the Industrial General permit, since 2010 MDTA has progressively developed an approach to meet the Chesapeake Bay TMDL requirements. Prior to the inclusion of TMDL objectives, MDTA refined the stormwater program to account for a rapid expansion of stormwater management due to the megaprojects of ICC and the I-95 Section 100 ETL, as well as other development projects. Since the issuance of the Chesapeake Bay TMDL, MDTA's stormwater program has been enhanced to address Chesapeake Bay TMDL requirements. A key update was the implementation of a MDTA-wide tracking system for impervious area treatment on a watershed basis for tributaries of the Chesapeake Bay.

Key MDTA activities to meet the TMDL requirements include:

- Continuously evaluating water quality retrofit opportunities, which includes developing assessment protocols.
- Constructing stormwater retrofits such as bioswales and biofiltration BMPs within grassed roadway medians and shoulders.
- Calculating alternative retrofits such as the impervious area treatment equivalents for street-sweeping activities and pavement removal.
- Considering innovative options such as stream restoration, reforestation, outfall stabilization, and shoreline stabilization.
- Promoting partnerships with adjacent MS4 permit holders on cooperative TMDL projects.

The types of projects that MDTA is currently undertaking to meet its Chesapeake Bay Restoration requirements are described below.

5.A Redevelopment Projects

MDTA has implemented several redevelopment projects since January 1, 2006, and the impervious area treated by BMPs implemented for these projects can be applied toward MDTA's Chesapeake Bay Restoration goal of 359.57 acres. Based on review of as-built plans and stormwater management plans for redevelopment projects, redevelopment BMPs provide approximately 206.0 acres of treatment credits toward the Chesapeake Bay Restoration requirements. One new redevelopment project with two water quality BMPs was completed in FY 2021.

5.B Stormwater Retrofit Projects

MDTA is also developing a water quality strategy to provide a framework for identifying viable and cost-effective stormwater retrofits that address TMDL requirements along MDTA roadways and facilities. Since January 1, 2006, several retrofit projects were implemented along JFK, BHT, and FSK, including biofiltration practices and modified bioswales. These practices treat 4.0 acres of impervious area and can be counted toward the Chesapeake Bay Restoration requirements.

5.C Alternative Urban BMPs

In addition to structural BMPs and ESD practices, MDE-approved alternative urban BMPs are important tools for achieving the impervious area treatment requirements. Alternative urban strategies include practices such as street sweeping, catch basin cleaning, reforestation of pervious areas, and conversion of impervious areas to pervious or forest areas. These strategies are approved by MDE and are included in the MDE guidance document *Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated (August 2014)*. MDTA has adopted several alternative urban BMPs, including street sweeping, reforestation, and conversion of impervious urban cover to pervious area.

MDTA currently conducts street sweeping and inlet cleaning throughout its right-of-way as a good housekeeping measure. According to MDE's guidance document, *Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated (August 2014)*, street sweeping removes sediment and pollutants from paved areas and can therefore be converted into impervious area treatment credit toward the TMDL goals, provided that sweeping activities meet specific criteria. These criteria include sweeping at least twice per month. Although every MDTA facility performs street sweeping, not all facilities sweep at least twice per month. The summary below only counts treatment credit for the facilities that meet the required criteria. **Table 3** includes the street-sweeping credits for FY 2019 through FY 2021 for facilities that meet MDE's street-sweeping criteria. MDTA's street-sweeping program has assisted MDTA in meeting the 20 percent treatment requirement ahead of schedule.

Table 3: TMDL Credit for Street Sweeping for Fiscal Years 2019 through 2021

Facility	Schedule	Weight of Material Collected (tons)	Equivalent Impervious Area Credits (acres)
FY 2019			
JFK1	2X/Month	303.5	80.8
BHT	2X/Month	493.6	138.2
ICC	Every Day	125.9	35.3
Total		**923.0**	**254.3**
FY 2020			
JFK1	2X/Month	290.3	81.3
FMT	3-4X/Month	223.1	62.5
Total		**513.4**	**143.8**
FY 2021			
JFK1	3-4X/Month	76.3	21.4
FMT	3X/Month	309.8	86.8
ICC	3X/Month	200.7	56.2
Total		**586.8**	**164.3**
Average for Reporting Period		**674.4**	**187.5**

Because this alternative urban BMP is credited at the end of the permit term as an average of credit earned over 5 years, the credit reported in this FY is 187.5 acres.

In addition to street sweeping, MDTA has removed approximately 31.05 acres of impervious area since 2006, providing 23.3 acres of impervious restoration credits that can be applied toward the NPDES requirements.

5.D Total Chesapeake Bay Restoration Credits

As noted above, MDTA must treat 359.6 acres of impervious area to meet the Chesapeake Bay Restoration requirements of the NPDES MS4 Phase II Permit. Based on the analysis presented above, MDTA has exceeded the treatment requirements through credits obtained from redevelopment and BMP retrofit projects implemented since January 1, 2006, and alternative urban BMPs. **Table 4** is a summary of MDTA's compliance with the permit's Chesapeake Bay restoration requirements.

Table 4: Chesapeake Bay Restoration Requirements Compliance Summary

	Description	Impervious Area (acres)
A	Credits needed	359.6
B	Credits from redevelopment projects	206.0
C	Credits from BMP retrofit projects	4.0
D	Credits from street sweeping activities	187.5
E	Credits from impervious area removal	23.3
F = A-(B+C+D+E)	**Credits Needed**	**-61.2**

6 Chesapeake Bay Restoration Activity Schedule

The NPDES MS4 Phase II Permit requires a Restoration Activity Schedule that includes BMPs implemented and planned to meet the Chesapeake Bay Restoration requirements. This schedule also includes additional water quality projects planned by MDTA if additional treatment needs are identified based on future revisions to the Chesapeake Bay Restoration treatment goals calculations. The Restoration Activity Schedule is provided in **Appendix C**. MDTA has already met its 2025 TMDL requirement, although opportunities to further improve water quality continue to be identified. BMPs installed prior to 2002 were evaluated to determine their equivalent P_E treatment and impervious area treated, and those BMPs that could potentially be enhanced for improved water quality were identified during these evaluations.

7 Conclusion

MDTA has met the 2025 Chesapeake Bay Restoration goals and continues to be proactive by planning for future stormwater management and alternative BMP designs. Ongoing stormwater program activities provide additional support for TMDL compliance.

In addition to conducting internal compliance activities, MDTA will continue to pursue new partnerships and expand existing partnerships with entities such as adjacent MS4 permit holders and other Transportation Business Units to improve implementation of TMDL methods and opportunities. Through coordination, MDTA will share information on latest technologies, grant opportunities, and educational/engagement tactics. By strengthening partnerships, MDTA can continue to enhance the water quality of the Chesapeake Bay while managing long-term costs and efforts.

Appendix A: Responses to MDE Comments on FY 2020 Progress Report

Maryland Transportation Authority

Maryland Transportation Authority (MDTA)

October 31, 2021 Submittal

Response to Maryland Department of Environment (MDE) Comments on Fiscal Year 2020 Progress Report
for
National Pollutant Discharge Elimination System (NPDES) General Permit 13-SF-5501 for Discharges from State and Federal Small Municipal Separate Storm Sewer Systems (MS4)

SUBMITTED TO:
Maryland Department of the Environment
Water and Science Administration
Program Review
1800 Washington Boulevard
Baltimore, Maryland 21230

SUBMITTED BY:
Maryland Department of Transportation
Maryland Transportation Authority
Office of Engineering and Construction
Environmental Division
300 Authority Drive
Baltimore, Maryland 21222

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1 Introduction

The National Pollutant Discharge (NPDES) General Permit for Discharges from State and Federal Small Municipal Separate Storm Sewer Systems (MS4), Permit No.13-SF-5501 (General Permit), was reissued to the Maryland Transportation Authority (MDTA) on October 31, 2018. MDTA properties covered under this permit are the Baltimore Harbor Tunnel, Fort McHenry Tunnel, Francis Scott Key Bridge, Intercounty Connector, John F. Kennedy Memorial Highway, William Preston Lane Jr. Memorial (Bay) Bridge, Harry W. Nice Memorial Bridge, and Thomas J. Hatem Memorial Bridge facilities. MDTA submitted its report for fiscal year (FY) 2020, the second year of the permit term, to the Maryland Department of the Environment (MDE) in October 2020. This submission included the Impervious Area Restoration Form and Work Plan, which discussed MDTA's plans to meet the Chesapeake Bay Restoration and Total Maximum Daily Load (TMDL) requirements set forth by the permit through new stormwater management projects, as well as the six Minimum Control Measures (MCM) requirements. MDE provided comments to MDTA on April 23, 2021, regarding their second annual report submission. MDE comments were organized by topic area and are provided below. MDTA's responses are shown in italics following the MDE comments.

2 Reporting

MDE Comment 1:

Maryland Transportation Authority (MDTA) submitted a completed Progress Report Form and included a signature for the appropriate responsible personnel and contact information. This information is required to be updated annually.

MDTA Response:
MDTA acknowledges MDE's comment and confirms that the signature of appropriate responsible personnel and contact information will be updated annually in the MS4 Progress Report.

MDE Comment 2:

The next Progress Report is due October 31, 2021 and must include updates to the impervious area restoration program and responses to all comments outlined below.

MDTA Response:
MDTA's FY 2021 MS4 Progress Report includes updates to the impervious area restoration progress section. This submission also includes the reporting forms and attachments, which provide details on impervious area reporting.

MDE Comment 3:

Please check the Department's website for available resources related to MS4 program development and guidance for compliance with permit requirements at:

mde.maryland.gov/programs/Water/StormwaterManagementProgram/Pages/NPDES_MS4_New.aspx

MDTA Response:
MDTA acknowledges MDE's comment.

3 Impervious Area Baseline Analysis and Urban BMP Database

MDE Comment 4:

MDTA has calculated an impervious area baseline of 1,798 acres, and therefore the 20% restoration target is 360 acres.

MDTA Response:
MDTA acknowledges MDE's comment.

MDE Comment 5:

MDTA provided an update to the impervious area analysis to use 2018 as the baseline year. Aerial imagery from 2018 was used to complete the baseline analysis which included new development projects from 2002-2018 including the intercounty connector and I-95 toll lanes. The Department commends MDTA for responding to the comments in the FY 2019 Progress Report review.

MDTA Response:
MDTA acknowledges MDE's comment.

MDE Comment 6:

MDTA provided an acceptable Work Plan with the Progress Report. The Work Plan described strategies for developing as-built plans and best management practice (BMP) verification, documentation, and reporting, as well as long term implementation and funding for maintenance and inspection for BMPs. An updated Work Plan must be submitted annually.

MDTA Response:
MDTA acknowledges MDE's comment and has included an updated Work Plan with the FY 2021 Progress Report submission.

MDE Comment 7:

MDTA provided an updated Restoration Activity Schedule (RAS) which included projects that restore 430 impervious acres. The Department commends MDTA for implementing projects to achieve the restoration requirement.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 8:

All BMPs included in the RAS must be water quality BMPs. BMP ID MDTA19BMP0337 is reported as XOTH and is described as a sand storage pond. Please clarify whether this project is a conversion to update the BMP to an acceptable water quality BMP.

MDTA Response:

MDTA has investigated design plans, SWM reports, and as-builts related to BMP MDTA19BMP0337 and recategorized it as a sand filter, as it does provide water quality treatment and restoration credit.

MDE Comment 9:

Please continue to update and annually submit the RAS in Excel format.

MDTA Response:

MDTA acknowledges MDE's comment and has included an updated RAS with the FY 2021 Progress Report submission.

MDE Comment 10:

MDTA provided an updated urban BMP database with the progress report. The database included recent inspection dates for all BMPs, however many BMPs do not have a maintenance date reported. All BMPs must be routinely maintained throughout the calendar year and therefore, each BMP shall have a maintenance date for the reporting period. If maintenance is occurring concurrent with inspections, the same date can be noted for both columns.

MDTA Response:

MDTA has updated the database to include the date of most recent maintenance. Where this information is not available, the latest inspection date was populated since maintenance would occur during inspections if needed.

MDE Comment 11:

MDTA reported that while P_e Values are reported for non-water quality BMPs (BMP types XDED, XDPD, and XOTH), no MS4 credit was taken for those BMPs. The urban BMP database is used for Chesapeake Bay Program reporting and therefore the P_e value for non-water quality BMPs must be zero. Please update the database accordingly.

MDTA Response:

The P_e field of the BMP database has been updated such that only water quality BMPs in functional condition have non-zero P_e values. All other BMPs, such as non-water quality BMPs that do not qualify for credit, have P_e values of zero.

MDE Comment 12:

Please update the reporting year field to reflect the year the BMP was reported for the first time.

MDTA Response:

MDTA reached out to MDE for clarification on this comment and received confirmation that this field should reflect the year the BMP database is being reported to MDE and needs to be updated annually. Per this guidance, the database has been updated to reflect "2021" in this field for all BMPs.

MDE Comment 13:

MDTA reported 199.1 acres of credit for street sweeping that collected 718 tons of debris. The impervious acre equivalent for this practice is 0.4. Based on this information, the credit for this practice should be 287 acres. The Department requires that MDTA provide the calculation used to determine the street sweeping credit reported in the database, including the actual level of implementation for each year sweeping occurred.

MDTA Response:

Only 70% of the total mass collected (the dry mass) was multiplied by the 0.4 impervious acre equivalent. It is important to note that a reporting error was made in 2019 for JFK I mass collected. The mass reported should have been 288.6 tons, as a portion of the 303.5 tons reported was collected at JFK II, which was not a credit-eligible facility due to insufficient sweeping frequency. The average mass collected for the reporting period of FY 2019-2020 should have been 710.8 tons, which would translate to a credit of 199.1 considering only the dry mass. The report has been updated to reflect street sweeping conducted in FY 2021 and a three-year average for all reporting years.

MDE Comment 14:

As plans to collect any necessary as-built and construction completion data are under development, the treatment credits for BMPs with passing inspection records that verify water quality function can be applied to the baseline or restoration requirements.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 15:

If the date of BMP construction completion verification is not yet available, an estimated completion date may be used as the Built _Date in the BMP database.

MDTA Response:

Built date was populated for the two BMPs missing this information in the FY 2020 submission. This information was estimated from the dates shown on available plan sets.

4 Minimum Control Measure (MCM) #1: Public or Personnel Education and Outreach

MDE Comment 16:

MDTA has an acceptable process for receiving and responding to stormwater related complaints.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 17:

Training targets employees through environmental briefings, fact sheets, and trainings on stormwater pollution prevention, erosion and sediment control, and BMP maintenance.

MDTA Response:
MDTA acknowledges the MDE comment.

MDE Comment 18:

MDTA must continue to implement this program and provide an update on progress in the Year 4 Progress Report due on October 31, 2022.

MDTA Response:

MDTA acknowledges MDE's comment.

5 MCM #2: Public or Personnel Involvement and Participation

MDE Comment 19:

MDTA engaged staff through 24 meetings to establish and achieve environmental objectives and held several events involving environmental activities such as tree planting and storm drain stenciling.

MDTA Response:
MDTA acknowledges the MDE comment.

MDE Comment 20:

MDTA must continue to implement this program and provide an update on progress in the Year 4 Progress Report.

MDTA Response:
MDTA acknowledges the MDE comment.

6 MCM #3: Illicit Discharge Detection and Elimination (IDDE)

MDE Comment 21:

MDTA submitted a storm drain system map which includes the required features.

MDTA Response:
MDTA acknowledges the MDE comment.

MDE Comment 22:

MDTA submitted an acceptable standard operating procedure (SOP) for the IDDE program. The procedures include detailed information on a screening schedule for each outfall, and a process for conducting screening that specifies equipment, methods for tracking, reporting, and investigating and eliminating any suspected discharge. Screening checklists are also provided in the SOPs.

MDTA Response:
MDTA acknowledges the MDE comment.

MDE Comment 23:

MDTA determined that 200 outfalls should be screened annually and met this goal by conducting 225 outfall inspections. Dry weather flows were observed in 45 outfalls and none of the flows were determined to be illicit. MDTA investigated the flows per the SOP and included the results of all outfall inspections and discharge investigations with the report.

MDTA Response:
MDTA determined that 100 outfalls should be screened annually, so 200 outfalls should be screened each MCM reporting cycle.

MDE Comment 24:

MDTA is commended for exceeding the permit requirement of screening 100 outfalls. The department encourages MDTA to continue implementing this robust program.

MDTA Response:

MDTA aims to inspect at least 100 outfalls annually. To ensure this goal is met, MDTA selects approximately 115 outfalls to inspect, assuming that some will be inaccessible. Typically, over 100 outfalls are inspected annually.

MDE Comment 25:

MDTA should continue to maintain illicit discharge inspection records onsite.

MDTA Response:

Illicit discharge inspection records are maintained on site at the Engineering office in the Francis Scott Key Bridge campus, and they are electronically entered into the EEIMS database.

MDE Comment 26:

MDTA has detailed maintenance activities to ensure proper functioning of the storm drain system.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 27:

MDTA must continue to implement this program and provide an update on progress in the Year 4 Progress Report.

MDTA Response:

MDTA acknowledges MDE's comment.

7 MCM #4: Construction Site Stormwater Runoff Control

MDE Comment 28:

MDTA has an acceptable process for receiving, investigating, and resolving complaints from interested parties related to construction activities.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 29:

MDTA reported that there were 20 active construction projects, disturbing 526 aces, and no violation notices were issued during the reporting period.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 30:

MDTA collaborates with the Department's Compliance Program for inspection construction activities and ensuring projects remain in compliance.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 31:

MDTA maintains records related to construction site stormwater runoff control, which are available to the Department during field review.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 32:

MDTA has 17 staff trained in the Department's Responsible Personnel Certification.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 33:

MDTA must continue to implement this program and provide an update on progress in the Year 4 Progress Report.

MDTA Response:

MDTA acknowledges MDE's comment.

8 MCM #5: Post Construction Stormwater Management

MDE Comment 34:

MDTA submitted two plans and 55 as-built plans to the Department for approval. The Department approved 55 as-built plans.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 35:

MDTA performs routine maintenance and inspections and uses checklists consistent with the Department's maintenance schedules which are available onsite for the Department's review.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 36:

MDTA has 15 staff trained in BMP design, inspection, and routine maintenance.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 37:

MDTA must continue to implement this program and provide an update on progress in the Year 4 Progress Report.

MDTA Response:

MDTA acknowledges MDE's comment.

9 MCM #6: Pollution Prevention and Good Housekeeping

MDE Comment 38:

MDTA includes good housekeeping plans and inspection records on-site for the Department's review.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 39:

MDTA provided training on spill prevention and response, waste disposal, and environmental policies to 430 staff during the reporting period.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 40:

MDTA operates a property management program that includes implementing street sweeping, inlet cleaning, and appropriate salt use procedures.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 41:

MDTA must continue to implement this program and provide an update on progress in the Year 4 Progress Report.

MDTA Response:

MDTA acknowledges MDE's comment.

10 Financial information

MDE Comment 42:

MDTA reported the cost for implementing the MS4 programs at this time includes:

- The cost for implementing the restoration program in FY 2019-2020 was approximately $835,000.
- The cost for implementing MCMs in FY 2019-2020 were estimated at
    - MCM #1 is approximately $245,000;
    - MCM #2 is approximately $55,000;
    - MCM #3 is approximately $200,000;
    - MCM #4 is approximately $4,400,000;
    - MCM #5 is approximately $407,000; and
    - MCM #6 is approximately $360,000.

MDTA Response:

MDTA acknowledges MDE's comment.

MDE Comment 43:

The Department requests that MDTA include a projected cost for these programs for the full five-year permit term in the next progress report.

MDTA Response:

This FY 2021 submission includes an updated five-year cost for the impervious area restoration program. MDTA will provide a projected five-year cost in the FY 2022 report to MDE for the MCM programs.

Appendix B: Urban BMP Database
(Digital Submission in MS Excel Format)

Appendix C: Restoration Activity Schedule
(Digital Submission in MS Excel Format)

Maryland Transportation Authority
Submission to

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT FOR DISCHARGES FROM
STATE AND FEDERAL SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS

GENERAL DISCHARGE PERMIT NO. 13-SF-5501
GENERAL NPDES NO. MDR055501

Final Determination:	April 27, 2018
Effective Date:	October 31, 2018
Expiration Date:	October 30, 2023

This National Pollutant Discharge Elimination System (NPDES) general permit covers State and federal small municipal separate storm sewer systems (MS4s) in certain portions of the state of Maryland. MS4 owners and operators to be regulated under this general permit must submit a Notice of Intent (NOI) to Maryland Department of the Environment by October 31, 2018. An NOI serves as notification that the MS4 owner or operator intends to comply with the terms and conditions of this general permit.

APPENDIX D

State and Federal Small MS4 Progress Report

Maryland Department of the Environment (MDE)

National Pollutant Discharge Elimination System (NPDES)
Small Municipal Separate Storm Sewer Systems (MS4) General Permit

This Progress Report is required for those State and federal agencies covered under General Discharge Permit No. 13-SF-5501. Progress Reports must be submitted to:

Maryland Department of the Environment, Water and Science Administration
Sediment, Stormwater, and Dam Safety Program
1800 Washington Boulevard, Suite 440, Baltimore, MD 21230-1708
Phone: 410-537-3543 FAX: 410-537-3553
Web Site: www.mde.maryland.gov

Contact Information

Permittee Name:	Maryland Transportation Authority
Responsible Personnel:	Peter Mattejat, Environmental Manager
Mailing Address:	Office of Engineering and Construction
	300 Authority Drive, Baltimore, MD 21222
Phone Number(s):	410-537-7874
Email address:	pmattejat@mdta.state.md.us
Additional Contact(s):	Joyce Rebar, Stormwater Compliance Lead
Mailing Address:	Office of Engineering and Construction
Phone Number(s):	410-537-7857
Email address:	jrebar@mdta.state.md.us

Signature of Responsible Personnel

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Peter Mattejat, P.E.	Pete Mattejat	10/29/2021
Printed Name	Signature	Date

Reporting Period (State Fiscal Year): 7/1/2020 - 06/30/2021

Due Date: 10/31/2021 **Date of Submission:** 10/29/2021

Type of Report Submitted:

Impervious Area Restoration Progress Report (Annual): ☑

Six Minimum Control Measures Progress (Years 2 and 4): ☐

Both: ☐

Permittee Information:

Renewal Permittee: ☑

New Permittee: ☐

Compliance with Reporting Requirements

Part VI of the Small MS4 General Discharge Permit (No. 13-SF-5501) specifies the reporting information that must be submitted to MDE to demonstrate compliance with permit conditions. The specific information required in this MS4 Progress Report includes:

1. Annual: Progress toward compliance with impervious area restoration requirements in accordance with Part V of the general permit. All requested information and supporting documentation must be submitted as specified in Section I of the Progress Report.
2. Years 2 and 4: Progress toward compliance with the six minimum control measures in accordance with Part IV of the general permit. All requested information and supporting documentation shall be reported as specified in Section II of the Progress Report. MDE may request more frequent reporting and/or a final report in year 5 if additional information is needed to demonstrate compliance with the permit.

Instructions for Completing Appendix D Reporting Forms

The reporting forms provided in Appendix D allow the user to electronically fill in answers to questions. Users may enter quantifiable information (e.g., number of outfalls inspected) in text boxes. When a more descriptive explanation is requested, the reporting forms will expand as the user types to allow as much information needed to fully answer the question. The permittee must indicate in the forms when attachments are included to provide sufficient information required in the MS4 Progress Report.

Section I: Impervious Area Restoration Reporting Form

Section I: Impervious Area Restoration Reporting

1. a. Was the impervious area baseline assessment submitted in year 1?
   ☑ Yes ☐ No

   b. If No, describe the status of completing the required information and provide a date at which all information required by MDE will be submitted:

   c. Has the baseline been adjusted since the previous reporting year?
   ☐ Yes ☑ No
2. Complete the information below based on the most recent data:

   Total impervious acres of area covered under this permit: 2,329.65

   Total impervious acres treated by stormwater water quality best management practices (BMPs): 501.25

   Total impervious acres treated by BMPs providing partial water quality treatment (multiply acres treated by percent of water quality provided):
   30.53

   Total impervious acres treated by nonstructural practices (i.e., rooftop disconnections, non-rooftop disconnections, or vegetated swales):
   0

   Total impervious acres untreated: 1,797.87

   Twenty percent of this total area (this is the restoration requirement):
   359.57

   Verify that all impervious area draining to BMPs with missing inspection records is not considered treated. Describe how this information was incorporated into the overall analysis:

*The Maryland Transportation Authority (MDTA) has a robust inspection and maintenance program that follows the MDTA **Stormwater Best Management Practices Field Inspection Manual (January 2017)** as the standard operating procedure (SOP). As part of the BMP inspection and maintenance program, each feature of the BMP is inspected, and an overall rating of A through E is given to the BMP. Ratings of A and B indicate that the BMP is functioning as designed. Ratings of C and D indicate that the BMP is operational but is a potential candidate for minor or major repair. A rating of E indicates that the BMP is not functional and has significant problems. Credits from BMPs with a rating of E are not included in the baseline assessment calculations. Once these BMPs are rehabilitated to function per their original design, the baseline assessment calculations will be revised to include them. A last inspection date has been populated for all BMPs included in the Urban BMP Database, which is submitted along with this Progress Report.*

Section I: Impervious Area Restoration Reporting

3. Has an Impervious Area Restoration Work Plan been developed and submitted to MDE in accordance with Part V.B, Table 1 of the permit or other format?
   ☑ Yes ☐ No

   Has MDE approved the work plan?
   ☑ Yes ☐ No

   If the answer to either question is No, describe the status of submitting (or resubmitting) the work plan to MDE and provide a date at which all outstanding information will be available:

   Describe progress made toward restoration planning, design, and construction efforts and describe adaptive management strategies necessary to meet restoration requirements by the end of the permit term:

MDTA has been conducting the following activities to meet the restoration requirements of the permit:

- *Continuously evaluating water quality retrofit opportunities for impervious areas without adequate existing water quality treatment, including developing assessment protocols.*
- *Constructing stormwater retrofits, such as bioswales and biofiltration BMPs within the grassed roadway medians and shoulders.*
- *Considering alternative retrofits and innovative options that MDE is promoting including stream restoration, reforestation, outfall stabilization and shoreline stabilization.*
- *Implementing street-sweeping alternative urban BMPs at MDTA facilities.*
- *Working on partnerships with adjacent MS4 permit holders on cooperative Total Maximum Daily Load (TMDL) projects.*
- *Since January 1, 2006, MDTA has implemented BMPs as a part of redevelopment projects that treat 206 acres of impervious acres.*
- *MDTA has implemented retrofits to a small number of BMPs. Approximately 4.0 acres of equivalent impervious area credits were obtained from these retrofits.*
- *Approximately 23.28 acres of equivalent impervious area credits were obtained from impervious area removal projects.*
- *Approximately 187.5 acres of equivalent impervious area credits were obtained from street-sweeping activities during fiscal year (FY) 2019 through FY 2021 (FY19-21).*

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4. Has a Restoration Schedule been completed and submitted to MDE in accordance with Part V.B, Table 2 of the permit?
   ☑ Yes ☐ No

   In year 5, has a complete restoration schedule been submitted including a complete list of projects and implementation dates for all BMPs needed to meet the twenty percent restoration requirement?
   ☐ Yes ☐ No

   Are the projected implementation years for completion of all BMPs no later than 2025?
   ☑ Yes ☐ No

   Describe actions planned to provide a complete list of projects in order to achieve compliance by the end of the permit term:

MDTA has exceeded its Chesapeake Bay Restoration requirements and continues to be proactive by planning for future stormwater management and alternative BMP designs. The Restoration Activity Schedule in the attached Progress Report includes the list of all projects implemented to meet the Chesapeake Bay Restoration requirements and the year of implementation.

   Describe the progress of restoration efforts (attach examples and photos of proposed or completed projects when available):

MDTA has exceeded its Chesapeake Bay Restoration requirements through redevelopment projects, retrofit of BMPs, and alternative urban BMP projects.

5. Has the BMP database been submitted to MDE in Microsoft Excel format in accordance with Appendix B, Tables B.1.a, b, and c?
   ☑ Yes ☐ No

   Is the database complete?
   ☑ Yes ☐ No

   If either answer is No, describe efforts underway to complete all data fields, and a date that MDE will receive the required information:

6. Provide a summary of impervious area restoration activities planned for the next reporting cycle (attach additional information if necessary):

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MDTA has exceeded its Chesapeake Bay Restoration requirements; however, it continues to evaluate and identify additional projects to improve the water quality. Currently, MDTA is evaluating several new BMP and BMP retrofit projects.

7. Describe coordination efforts with other agencies regarding the implementation of impervious area restoration activities:

MDTA has a Memorandum of Agreement (MOA) to implement joint projects with Anne Arundel County, but has not planned any such projects as of the writing of this report.

8. List the total cost of developing and implementing impervious area restoration program during the permit term:

MDTA expects to spend $3,298,766 implementing the impervious area restoration plan over the course of the permit term.

Table B.1.a. BMP Reporting Requirements (Sample Input Table)

This table represents the basic data elements that are required of all structural, ESD and alternative Best Management Practices (BMPs)

BMP_ID[1]	REPORTING_YEAR	MD_NORTH [2]	MD_EAST	PERMIT_NUM	LOCAL_BMP_ID	BMP_NAME	BMP_CLASS	BMP_TYPE	CON_PURPOSE	LAST_INSP_DATE	BMP_STATUS	MAIN_DATE	REINSP_DATE	REINSP_STATUS	GEN_COMMENTS
MDTA19BMP0001	2021	582839.823	1406163.053	13-SF-5501	SWM 1	FT0500S01	S	PWET	REDE	1/15/2020	P	8/3/2020	1/14/2023		
MDTA19BMP0002	2021	582299.275	1436384.164	13-SF-5501	SWM Pond 1	FT0560F01	S	PWET	REDE	4/6/2021	P	3/27/2018	4/5/2024		
MDTA19BMP0003	2021	582922.436	1436961.931	13-SF-5501	SWM Pond 2	FT0561F01	S	PWET	REDE	4/6/2021	P	4/6/2021	4/5/2024		
MDTA19BMP0004	2021	587257.803	1439158.236	13-SF-5501	SWM Pond	FT0572S01	S	PPKT	REDE	1/28/2020	P	10/12/2018	1/27/2023		
MDTA19BMP0005	2021	591295.607	1444333.639	13-SF-5501	FT928	FT0586S01	S	FBIO	REDE	1/28/2020	P	10/12/2018	1/27/2023		
MDTA19BMP0006	2021	601063.335	1444418.613	13-SF-5501	SWM-895-10	FT0606N01	S	PWED	REDE	1/15/2020	P	8/28/2020	1/14/2023		
MDTA19BMP0007	2021	693716.416	1573566.354	13-SF-5501	HB0001	HB0001F01	S	XOTH	REDE	10/1/2020	P	10/1/2020	10/1/2023		
MDTA19BMP0008	2021	559514.444	1420729.674	13-SF-5501	HT0002M01	HT0002A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0009	2021	561055.658	1418193.477	13-SF-5501	HT0002M02	HT0002A02	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0010	2021	560576.100	1417394.705	13-SF-5501	HT0002M03	HT0002A03	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0011	2021	559615.100	1420117.951	13-SF-5501	HT0003M03	HT0003A03	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0012	2021	560245.822	1419178.703	13-SF-5501	HT0004M01	HT0004A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0013	2021	562027.050	1418690.247	13-SF-5501	HT0006M01	HT0006M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0014	2021	561582.229	1418728.188	13-SF-5501	HT0007M01	HT0007M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0015	2021	562713.799	1418632.041	13-SF-5501	HT0009M01	HT0009A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0016	2021	563365.154	1418579.143	13-SF-5501	HT0011M01	HT0011A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0017	2021	563831.138	1418541.981	13-SF-5501	HT0012M01	HT0012A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0018	2021	564300.532	1418515.418	13-SF-5501	HT0013M01	HT0013M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0019	2021	565861.179	1418560.813	13-SF-5501	SWM-1	HT0015A01	S	FSND	REDE	4/29/2021	P	10/19/2019	4/28/2024		
MDTA19BMP0020	2021	565425.462	1397499.802	13-SF-5501	HT0015M01	HT0015M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0021	2021	566196.367	1418581.757	13-SF-5501	HT0016M01	HT0016A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0022	2021	565711.737	1398002.199	13-SF-5501	HT0016M01	HT0016M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0023	2021	566250.501	1398741.176	13-SF-5501	HT0017M01	HT0017M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0024	2021	566832.552	1418615.303	13-SF-5501	HT0018M01	HT0018A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0025	2021	567918.284	1418669.364	13-SF-5501	HT0020M01	HT0020A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0026	2021	568584.685	1418699.013	13-SF-5501	HT0021M01	HT0021A01	E	MSWB	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0027	2021	566794.990	1400353.288	13-SF-5501	HT0021M01	HT0021M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0028	2021	567402.016	1402183.000	13-SF-5501	HT0025M01	HT0025M01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0029	2021	567756.147	1402695.245	13-SF-5501	HT0026M01	HT0026M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0030	2021	568096.192	1402988.507	13-SF-5501	HT0001	HT0027S01	S	FSND	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0031	2021	568260.913	1403429.875	13-SF-5501	HT0028M01/2	HT0028M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0032	2021	568666.374	1404017.502	13-SF-5501	HT0028M03/4	HT0028M03	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0033	2021	569382.037	1404810.680	13-SF-5501	HT0030M01/2	HT0030M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0034	2021	569841.623	1405284.681	13-SF-5501	HT0032M01	HT0032M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0035	2021	570490.048	1406203.260	13-SF-5501	HT0034M01	HT0034M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0036	2021	570943.058	1408759.205	13-SF-5501	HT0039M01/2	HT0039M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0037	2021	570790.970	1409520.238	13-SF-5501	HT0041M01/2	HT0041M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0038	2021	570654.028	1410114.512	13-SF-5501	HT0042M01	HT0042M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0039	2021	570543.407	1410593.223	13-SF-5501	HT0043M01	HT0043M01	E	MSWB	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0040	2021	570443.211	1411018.947	13-SF-5501	HT0044M01	HT0044M01	E	MSWB	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0041	2021	570382.464	1411272.904	13-SF-5501	HT0044M02	HT0044M02	E	MSWB	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0042	2021	570211.181	1412015.198	13-SF-5501	HT0045M01	HT0045M01	E	MSWB	REST	4/29/2021	P	4/29/2021	4/28/2024		
MDTA19BMP0043	2021	570092.287	1412094.152	13-SF-5501	HT0046A01	HT0046A01	E	MSWG	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0044	2021	570095.867	1412513.766	13-SF-5501	HT0046M01/2	HT0046M01	E	MSWB	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0045	2021	569699.958	1414217.547	13-SF-5501		HT0050M01	E	MSWG	REST	3/13/2019	P	10/4/2019	3/12/2022		
MDTA19BMP0046	2021	573322.495	1428352.679	13-SF-5501	HT0003	HT0080F01	S	FBIO	REST	3/7/2019	P	3/7/2019	3/6/2022		
MDTA19BMP0047	2021	598577.757	1442207.493	13-SF-5501	SWM-895-02	HT0139N01	S	PMED	REDE	4/21/2021	P	8/20/2020	4/20/2024		
MDTA19BMP0048	2021	599317.461	1442068.371	13-SF-5501	SWM-895-01	HT0140S01	S	PMED	REDE	2/21/2020	P	8/27/2020	2/20/2023		
MDTA19BMP0049	2021	602399.930	1444168.488	13-SF-5501	SWM-895-12	HT0147S01	S	PWED	REDE	4/21/2021	P	7/28/2020	4/20/2024		
MDTA19BMP0050	2021	563148.683	1418685.541	13-SF-5501	HT0B11N01	HT0B11N01	E	MSWB	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0051	2021	563152.379	1418521.935	13-SF-5501	HT0B11S01	HT0B11S01	E	MSWB	REST	2/21/2020	P	2/21/2020	2/20/2023		
MDTA19BMP0052	2021	533381.454	1266283.586	13-SF-5501	B2-C	IC0026A03	S	FSND	NEWD	3/5/2020	P	3/5/2020	3/5/2023		
MDTA19BMP0053	2021	533431.822	1266161.108	13-SF-5501	B2-C	IC0026A04	S	XDED	NEWD	3/5/2020	P	3/5/2020	3/5/2023		
MDTA19BMP0054	2021	534865.954	1264876.615	13-SF-5501	B2-E	IC0026W01	S	XDED	NEWD	1/28/2020	P	1/28/2020	1/27/2023		
MDTA19BMP0055	2021	535036.191	1265519.182	13-SF-5501	B2-H-1	IC0027E02	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0056	2021	535112.145	1265450.942	13-SF-5501	B2-H-2	IC0027M03	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0057	2021	535548.057	1268061.026	13-SF-5501	B3-A	IC0032E03	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0058	2021	535115.363	1269726.146	13-SF-5501	B3-B	IC0036W01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0059	2021	534972.122	1270101.049	13-SF-5501	B3-C	IC0037W01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0060	2021	535010.226	1271712.217	13-SF-5501	B3-D	IC0040E01	S	XDED	NEWD	2/28/2019	P	10/4/2019	2/27/2022		
MDTA19BMP0061	2021	535989.644	1272667.742	13-SF-5501	C1-B	IC0042E01	S	XDPD	NEWD	12/23/2019	P	12/23/2019	12/22/2022		
MDTA19BMP0062	2021	535270.296	1275401.691	13-SF-5501	C1-D	IC0048M01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0063	2021	535393.716	1275323.630	13-SF-5501	C1-C	IC0048W01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023		
MDTA19BMP0064	2021	535266.928	1275520.903	13-SF-5501	C1-E	IC0048W02	S	FUND	NEWD	10/1/2020	P	10/1/2020	10/1/2023		
MDTA19BMP0065	2021	533972.896	1276453.041	13-SF-5501	C2-F	IC0051E02	S	XDPD	NEWD	2/28/2019	P	2/28/2019	2/27/2022		
MDTA19BMP0066	2021	533563.438	1277347.594	13-SF-5501	C2-H	IC0053W02	S	XDPD	NEWD	3/13/2019	P	3/13/2019	3/12/2022		
MDTA19BMP0067	2021	531652.156	1278026.549	13-SF-5501	C2-G	IC0056E01	S	XDED	NEWD	6/18/2021	P	6/18/2021	6/17/2024		
MDTA19BMP0068	2021	531632.680	1279421.772	13-SF-5501	C2-O	IC0059E01	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023		
MDTA19BMP0069	2021	531626.755	1279601.623	13-SF-5501	C2-R	IC0059E05	S	FSND	NEWD	10/9/2020	P	10/9/2020	10/9/2023		
MDTA19BMP0070	2021	531616.893	1279771.946	13-SF-5501	C2-S	IC0059E08	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023		
MDTA19BMP0071	2021	531708.257	1279536.993	13-SF-5501	C2-N	IC0059M03	S	FSND	NEWD	11/11/2020	P	11/11/2020	11/11/2023		
MDTA19BMP0072	2021	531699.807	1279775.889	13-SF-5501	C2-Q	IC0059M04	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023		
MDTA19BMP0073	2021	531796.816	1279429.943	13-SF-5501	C2-M	IC0059W03	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023		
MDTA19BMP0074	2021	531782.442	1279779.562	13-SF-5501	C2-P	IC0059W04	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023		
MDTA19BMP0075	2021	531541.539	1281593.352	13-SF-5501	D1-I	IC0063E02	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023		
MDTA19BMP0076	2021	531624.426	1281596.917	13-SF-5501	D1-H	IC0063M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023		
MDTA19BMP0077	2021	531707.386	1281600.477	13-SF-5501	D1-G	IC0063W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023		

MDTA19BMP0078	2021	531526.032	1281968.034	13-SF-5501	D1-L	IC0064E02	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0079	2021	531608.956	1281971.590	13-SF-5501	D1-K	IC0064M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0080	2021	531697.891	1281975.399	13-SF-5501	D1-J	IC0064W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0081	2021	531797.363	1281997.129	13-SF-5501	D1-A	IC0064W03	S	XOTH	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0082	2021	531390.211	1282745.567	13-SF-5501	D1-B	IC0065E02	S	XOTH	NEWD	2/28/2019	P	2/28/2019	2/27/2022
MDTA19BMP0083	2021	531598.059	1282233.714	13-SF-5501	D1-N1	IC0065M01	S	FSND	NEWD	2/28/2019	P	2/28/2019	2/27/2022
MDTA19BMP0084	2021	531654.002	1282889.366	13-SF-5501	D1-M	IC0065W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0085	2021	531488.150	1282882.250	13-SF-5501	D1-O	IC0066E01	S	FSND	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0086	2021	531430.515	1283178.586	13-SF-5501	UG-D1	IC0066E02	S	XOTH	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0087	2021	531456.581	1283218.279	13-SF-5501	D1-D	IC0066E03	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0088	2021	531571.078	1282885.818	13-SF-5501	D1-N	IC0066M04	S	FSND	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0089	2021	531622.083	1283487.147	13-SF-5501	D1-C2	IC0066W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0090	2021	531628.857	1283389.884	13-SF-5501	D1-C	IC0066W04	S	XOTH	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0091	2021	531635.631	1283292.619	13-SF-5501	D1-C1	IC0066W05	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0092	2021	531362.338	1284169.996	13-SF-5501	D1-F	IC0068E01	S	FSND	NEWD	2/28/2019	P	2/28/2019	2/27/2022
MDTA19BMP0093	2021	531550.539	1284117.802	13-SF-5501	D1-E1	IC0068W01	S	FSND	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0094	2021	531564.935	1284016.520	13-SF-5501	D1-E	IC0068W03	S	XOTH	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0095	2021	531329.852	1284876.381	13-SF-5501	D3-C	IC0069M01	S	XOTH	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0096	2021	531301.041	1285001.200	13-SF-5501	D3-C1	IC0069M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0097	2021	531414.728	1284872.710	13-SF-5501	D3-D	IC0069W01	S	XOTH	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0098	2021	531395.393	1284958.362	13-SF-5501	D3-D1	IC0069W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0099	2021	531141.113	1285213.135	13-SF-5501	D3-B	IC0070E01	S	XOTH	NEWD	2/28/2019	P	2/28/2019	2/27/2022
MDTA19BMP0100	2021	531241.169	1285243.897	13-SF-5501	D3-I	IC0070M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0101	2021	531321.028	1285264.616	13-SF-5501	D3-H	IC0070W05	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0102	2021	531038.153	1285580.737	13-SF-5501	D3-A	IC0071E01	S	XOTH	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0103	2021	530865.245	1286169.887	13-SF-5501	D3-L	IC0072E03	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0104	2021	530943.342	1286198.093	13-SF-5501	D3-K	IC0072M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0105	2021	531020.892	1286226.246	13-SF-5501	D3-J	IC0072W02	S	FSND	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0106	2021	530642.920	1286725.368	13-SF-5501	D3-P	IC0073E02	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0107	2021	530548.993	1286467.927	13-SF-5501	D3-G	IC0073E03	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0108	2021	530699.094	1286804.619	13-SF-5501	D3-O	IC0073M01	S	FSND	NEWD	11/12/2020	P	10/4/2019	11/12/2023
MDTA19BMP0109	2021	530283.734	1287643.065	13-SF-5501	D3-R	IC0073M03	S	FSND	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0110	2021	530754.497	1286883.258	13-SF-5501	D3-N	IC0073W02	S	FSND	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0111	2021	530200.576	1287596.567	13-SF-5501	D3-S	IC0075E02	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0112	2021	530196.386	1287477.338	13-SF-5501	D3-F	IC0075E03	S	XOTH	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0113	2021	530088.135	1287629.215	13-SF-5501	D3-E	IC0075E04	S	XOTH	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0114	2021	530342.381	1287733.035	13-SF-5501	D3-Q	IC0075W02	S	FSND	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0115	2021	529889.610	1288130.046	13-SF-5501	D3-T	IC0076E02	S	FSND	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0116	2021	529685.669	1288473.518	13-SF-5501	D3-W	IC0077E03	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0117	2021	529473.612	1288813.531	13-SF-5501	D3-X	IC0077E04	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0118	2021	529767.151	1288522.533	13-SF-5501	D3-V	IC0077M02	S	FSND	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0119	2021	529858.766	1288577.644	13-SF-5501	D3-U	IC0077W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0120	2021	529267.466	1289155.532	13-SF-5501	D3-AA	IC0078E02	S	FSND	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0121	2021	529358.712	1289210.412	13-SF-5501	D3-Z	IC0078M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0122	2021	529446.910	1289263.468	13-SF-5501	D3-Y	IC0078W01	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0123	2021	527855.153	1290638.984	13-SF-5501	SWM-16	IC0082E01	S	XDPD	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0124	2021	527751.075	1290692.837	13-SF-5501	SWM-13	IC0082E02	S	FSND	NEWD	3/13/2019	P	10/4/2019	3/12/2022
MDTA19BMP0125	2021	528190.328	1291246.588	13-SF-5501	D3-C	IC0082E04	S	FSND	NEWD	3/5/2020	P	3/5/2020	3/5/2023
MDTA19BMP0126	2021	528297.230	1291472.862	13-SF-5501	D3-A	IC0083E03	S	XDPD	NEWD	3/5/2020	P	3/5/2020	3/5/2023
MDTA19BMP0127	2021	528871.891	1291346.593	13-SF-5501	D3-B	IC0083W04	S	FSND	NEWD	3/5/2020	P	3/5/2020	3/5/2023
MDTA19BMP0128	2021	527467.426	1294744.637	13-SF-5501	WA-A	IC0089W01	S	XDED	NEWD	1/17/2020	P	10/12/2018	1/16/2023
MDTA19BMP0129	2021	526582.807	1294958.828	13-SF-5501	WA-B	IC0091E01	S	XOTH	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0130	2021	526602.755	1294941.628	13-SF-5501	WQ-31	IC0091E01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0131	2021	526400.675	1295543.058	13-SF-5501	WA-C	IC0092W01	S	XOTH	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0132	2021	526400.675	1295543.058	13-SF-5501	WA-C	IC0092W01A	S	FUND	NEWD	3/7/2019	NR	3/7/2019	3/6/2022
MDTA19BMP0133	2021	524057.462	1297437.096	13-SF-5501	WB-A	IC0097E01	S	XDED	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0134	2021	521368.503	1301157.588	13-SF-5501	WB-E	IC0106E01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0135	2021	521383.288	1301112.857	13-SF-5501	WQ-213	IC0106E01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0136	2021	521255.392	1301054.115	13-SF-5501	WB-B	IC0106E02	S	XDED	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0137	2021	521860.954	1300955.130	13-SF-5501	WB-C	IC0106W01	S	XDED	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0138	2021	521217.227	1302467.563	13-SF-5501	WC-A	IC0108W01	S	XDED	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0139	2021	521107.592	1302431.700	13-SF-5501	WC-D	IC0109W01	S	XOTH	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0140	2021	521058.811	1302542.988	13-SF-5501	WQ-228	IC0109W01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0141	2021	520291.958	1303389.981	13-SF-5501	WC-E	IC0111E01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0142	2021	520338.058	1303338.960	13-SF-5501	WQ-249	IC0111E01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0143	2021	519294.168	1304094.847	13-SF-5501	WC-F	IC0113E01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0144	2021	519338.635	1304077.617	13-SF-5501	WQ-279	IC0113E01A	S	FUND	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0145	2021	518231.468	1304488.872	13-SF-5501	WC-B	IC0116W01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0146	2021	517894.721	1304575.216	13-SF-5501	WC-C	IC0116W02	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0147	2021	517244.512	1305036.632	13-SF-5501	WC-G	IC0118W01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0148	2021	517314.116	1304955.323	13-SF-5501	WQ-297	IC0118W01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0149	2021	516964.653	1306528.672	13-SF-5501	EA-1	IC0121W01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0150	2021	516976.023	1306573.364	13-SF-5501	WQ-EA-1	IC0121W01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0151	2021	517204.119	1307011.213	13-SF-5501	EAS-A	IC0121W02	S	XDED	NEWD	1/17/2020	P	1/17/2020	1/16/2023
MDTA19BMP0152	2021	517530.395	1310240.476	13-SF-5501	EB-4	IC0128E01	S	ITRN	NEWD	12/23/2019	P	10/12/2018	12/22/2022
MDTA19BMP0153	2021	517612.086	1310233.850	13-SF-5501	EB-3	IC0128M01	S	ITRN	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0154	2021	517587.951	1310950.319	13-SF-5501	EB-8	IC0129E02	S	ITRN	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0155	2021	517677.336	1310943.283	13-SF-5501	EB-7	IC0129M02	S	ITRN	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0156	2021	517608.541	1312107.652	13-SF-5501	EB-2	IC0131E01	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0157	2021	517623.520	1312046.613	13-SF-5501	WQ-EB-2	IC0131E01A	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0158	2021	517867.932	1312104.539	13-SF-5501	EB-1	IC0131W01	S	XOTH	NEWD	10/1/2020	P	10/1/2020	10/1/2023

MDTA19BMP0159	2021	517867.932	1312104.539	13-SF-5501	EB-1	IC0131W01A	S	FUND	NEWD	3/7/2019	NR	3/7/2019	3/6/2022
MDTA19BMP0160	2021	517688.565	1312995.441	13-SF-5501	E3-404	IC0133E03	S	ITRN	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0161	2021	517897.621	1312855.946	13-SF-5501	E3-402	IC0133W01	S	ITRN	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0162	2021	518012.677	1312966.671	13-SF-5501	E3-400	IC0133W04	S	ITRN	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0163	2021	518016.767	1314463.950	13-SF-5501	E3-3	IC0137E01	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0164	2021	518095.031	1314416.661	13-SF-5501	E3-2	IC0137M01	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0165	2021	518148.020	1314721.943	13-SF-5501	E3-2A	IC0137M02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0166	2021	518176.651	1314407.861	13-SF-5501	E3-1	IC0137W01	S	FSND	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0167	2021	518316.626	1315536.075	13-SF-5501	STR E3-9	IC0138W01	S	XOTH	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0168	2021	518157.121	1315757.308	13-SF-5501	E3-15	IC0139E02	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0169	2021	518234.021	1315717.901	13-SF-5501	E3-13	IC0139M01	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0170	2021	518302.105	1315882.411	13-SF-5501	E3-4	IC0139W02	S	FSND	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0171	2021	518340.343	1315721.576	13-SF-5501	STR E3-10	IC0139W03	S	ITRN	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0172	2021	518104.335	1316212.064	13-SF-5501	E3-16	IC0140E05	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0173	2021	518178.812	1316225.943	13-SF-5501	E3-14	IC0140M01	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0174	2021	518231.170	1316363.905	13-SF-5501	E3-11	IC0140W02	S	ITRN	NEWD	1/22/2020	P	1/22/2020	1/21/2023
MDTA19BMP0175	2021	518202.608	1316490.818	13-SF-5501	E3-12	IC0140W03	S	FSND	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0176	2021	517942.963	1316834.567	13-SF-5501	E3-52	IC0141E05	S	ITRN	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0177	2021	517821.305	1317132.388	13-SF-5501	E3-56	IC0141E06	S	ITRN	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0178	2021	518019.683	1316593.795	13-SF-5501	E3-47	IC0141E09	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0179	2021	517915.887	1316907.243	13-SF-5501	E3-53	IC0141E10	S	FSND	NEWD	10/13/2020	P	10/13/2020	10/13/2023
MDTA19BMP0180	2021	518012.973	1316863.957	13-SF-5501	E3-37	IC0141M05	S	ITRN	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0181	2021	518087.868	1316630.497	13-SF-5501	E3-32	IC0141M10	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0182	2021	517986.719	1316934.265	13-SF-5501	E3-38	IC0141M11	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0183	2021	518082.173	1316890.745	13-SF-5501	E3-21	IC0141W05	S	ITRN	NEWD	1/22/2020	P	10/12/2018	1/21/2023
MDTA19BMP0184	2021	518055.961	1316960.921	13-SF-5501	E3-22	IC0141W07	S	FSND	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0185	2021	517622.070	1317516.010	13-SF-5501	E3-59	IC0142E01	S	ITRN	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0186	2021	517561.575	1317626.538	13-SF-5501	E3-80	IC0142E02	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0187	2021	517779.417	1317220.533	13-SF-5501	E3-57	IC0142E04	S	FSND	NEWD	11/3/2020	P	10/19/2018	11/3/2023
MDTA19BMP0188	2021	517704.005	1317365.861	13-SF-5501	E3-58	IC0142E05	S	FSND	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0189	2021	517672.019	1317580.960	13-SF-5501	E3-70	IC0142M01	S	ITRN	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0190	2021	517862.348	1317223.597	13-SF-5501	E3-43	IC0142M02	S	ITRN	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0191	2021	517790.089	1317366.235	13-SF-5501	E3-45	IC0142M03	S	ITRN	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0192	2021	517834.793	1317279.763	13-SF-5501	E3-44	IC0142M04	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0193	2021	517731.008	1317473.597	13-SF-5501	E3-46	IC0142M06	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0194	2021	517627.609	1317662.102	13-SF-5501	E3-71	IC0142M07	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0195	2021	517888.458	1317338.007	13-SF-5501	E3-29	IC0142W01	S	ITRN	NEWD	1/22/2020	P	1/22/2020	1/21/2023
MDTA19BMP0196	2021	517845.420	1317419.919	13-SF-5501	E3-30	IC0142W04	S	FSND	NEWD	11/4/2020	P	11/4/2020	11/4/2023
MDTA19BMP0197	2021	517510.111	1317720.565	13-SF-5501	E3-81	IC0143E01	S	ITRN	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0198	2021	517441.695	1317845.567	13-SF-5501	E3-82	IC0143E08	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0199	2021	517573.518	1317760.929	13-SF-5501	E3-72	IC0143M01	S	ITRN	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0200	2021	517503.901	1317888.123	13-SF-5501	E3-73	IC0143M06	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0201	2021	517658.232	1317762.363	13-SF-5501	E3-62	IC0143W01	S	ITRN	NEWD	1/22/2020	P	1/22/2020	1/21/2023
MDTA19BMP0202	2021	517586.214	1317893.944	13-SF-5501	E3-63	IC0143W02	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0203	2021	517252.061	1318192.039	13-SF-5501	E3-92	IC0144E01	S	ITRN	NEWD	12/23/2019	P	12/23/2019	12/22/2022
MDTA19BMP0204	2021	517379.070	1318116.197	13-SF-5501	E3-78	IC0144M01	S	ITRN	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0205	2021	517219.308	1318564.304	13-SF-5501	E3-94	IC0144W06	S	ITRN	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0206	2021	517418.013	1318201.257	13-SF-5501	E3-64	IC0144W07	S	FSND	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0207	2021	516834.919	1318960.005	13-SF-5501	E3-113	IC0145E05	S	ITRN	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0208	2021	517120.350	1318415.417	13-SF-5501	E3-93	IC0145E06	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0209	2021	516949.536	1318735.415	13-SF-5501	E3-108	IC0145E07	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0210	2021	516996.371	1318816.509	13-SF-5501	E3-104	IC0145M04	S	ITRN	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0211	2021	517223.033	1318401.287	13-SF-5501	E3-79	IC0145M05	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0212	2021	516936.286	1318928.975	13-SF-5501	E3-105	IC0145M06	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0213	2021	517079.774	1318819.892	13-SF-5501	E3-98	IC0145W01	S	ITRN	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0214	2021	517176.097	1318643.253	13-SF-5501	E3-95	IC0145W04	S	FSND	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0215	2021	517007.783	1318954.352	13-SF-5501	E3-99	IC0145W05	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0216	2021	516674.449	1319270.097	13-SF-5501	E3-116	IC0146E02	S	ITRN	NEWD	1/24/2020	P	10/12/2018	1/23/2023
MDTA19BMP0217	2021	516776.049	1319072.953	13-SF-5501	E3-114	IC0146E03	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0218	2021	516646.279	1319325.769	13-SF-5501	E3-117	IC0146E04	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0219	2021	516764.590	1319258.436	13-SF-5501	E3-106	IC0146M01	S	ITRN	NEWD	1/23/2020	P	10/12/2018	1/22/2023
MDTA19BMP0220	2021	516719.045	1319347.463	13-SF-5501	E3-107	IC0146M02	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0221	2021	516692.970	1319399.084	13-SF-5501	E3-107A	IC0146M03	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0222	2021	516856.428	1319159.366	13-SF-5501	STR E3-8	IC0146M04	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0223	2021	516841.040	1319295.712	13-SF-5501	E3-100	IC0146W01	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0224	2021	516782.205	1319403.426	13-SF-5501	E3-100A	IC0146W02	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0225	2021	516815.807	1319324.390	13-SF-5501	STR E3-5	IC0146W03	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0226	2021	516841.796	1319273.150	13-SF-5501	STR E3-6	IC0146W04	S	FUND	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0227	2021	516852.238	1319252.444	13-SF-5501	STR E3-7	IC0146W05	S	FUND	NEWD	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0228	2021	515930.239	1320811.841	13-SF-5501	E3-240	IC0149E01	S	FSND	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0229	2021	515906.799	1320873.378	13-SF-5501	E3-240A	IC0149E02	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0230	2021	515843.267	1321081.681	13-SF-5501	E3-240B	IC0149E03	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0231	2021	516036.964	1320839.182	13-SF-5501	STR E3-2	IC0149M01	S	FUND	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0232	2021	516008.261	1320920.884	13-SF-5501	STR E3-1	IC0149M02	S	XOTH	NEWD	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0233	2021	516105.813	1320796.699	13-SF-5501	E3-201	IC0149W01	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0234	2021	516063.828	1320911.159	13-SF-5501	E3-202	IC0149W02	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0235	2021	515882.829	1321283.108	13-SF-5501	E3-222	IC0150M01	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0236	2021	515951.577	1321331.902	13-SF-5501	E3-203	IC0150W01	S	FSND	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0237	2021	515796.757	1322012.474	13-SF-5501	E3-260	IC0151E01	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0238	2021	515848.727	1321601.804	13-SF-5501	E3-233	IC0151M01	S	ITRN	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0239	2021	515867.184	1321943.278	13-SF-5501	E3-250	IC0151M08	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023

MDTA19BMP0240	2021	515925.016	1321625.624	13-SF-5501	E3-215	IC0151W01	S	ITRN	NEWD	1/22/2020	P	8/22/2019	1/21/2023
MDTA19BMP0241	2021	515968.591	1322001.391	13-SF-5501	E3-246	IC0151W08	S	ITRN	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0242	2021	515947.085	1321890.303	13-SF-5501	E3-245	IC0151W09	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0243	2021	515813.270	1322274.380	13-SF-5501	E3-261	IC0152E02	S	ITRN	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0244	2021	515879.261	1322115.356	13-SF-5501	E3-251	IC0152M01	S	ITRN	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0245	2021	515939.421	1322717.688	13-SF-5501	E3-249	IC0152W02	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0246	2021	515752.958	1322794.336	13-SF-5501	E3-265	IC0153E01	S	FSND	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0247	2021	515828.908	1322825.041	13-SF-5501	E3-302	IC0153M01	S	ITRN	NEWD	1/23/2020	P	10/12/2018	1/22/2023
MDTA19BMP0248	2021	515857.142	1322693.429	13-SF-5501	E3-259	IC0153M04	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0249	2021	515770.449	1323006.295	13-SF-5501	E3-274	IC0153M05	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0250	2021	515675.434	1323043.364	13-SF-5501	E3-284	IC0154E01	S	ITRN	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0251	2021	515437.992	1323491.428	13-SF-5501	E3-291	IC0154E08	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0252	2021	515519.182	1323518.886	13-SF-5501	E3-277	IC0154M01	S	ITRN	NEWD	1/23/2020	P	10/12/2018	1/22/2023
MDTA19BMP0253	2021	515721.260	1323131.596	13-SF-5501	E3-305	IC0154M03	S	ITRN	NEWD	1/23/2020	P	10/12/2018	1/22/2023
MDTA19BMP0254	2021	515597.166	1323385.870	13-SF-5501	E3-307	IC0154M05	S	ITRN	NEWD	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0255	2021	515546.203	1323474.543	13-SF-5501	E3-276	IC0154M08	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0256	2021	515655.028	1323273.566	13-SF-5501	E3-275	IC0154M09	S	FSND	NEWD	1/23/2020	P	1/23/2020	1/22/2023
MDTA19BMP0257	2021	515603.206	1323561.261	13-SF-5501	E3-271	IC0154W02	S	ITRN	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0258	2021	515627.962	1323519.215	13-SF-5501	E3-270	IC0154W03	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0259	2021	515374.096	1323588.448	13-SF-5501	E3-292	IC0155E01	S	ITRN	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0260	2021	515140.506	1323896.563	13-SF-5501	E3-300	IC0155E04	S	FSND	NEWD	11/3/2020	P	11/3/2020	11/3/2023
MDTA19BMP0261	2021	515256.454	1323739.720	13-SF-5501	E3-295	IC0155E05	S	FSND	NEWD	1/24/2020	P	1/24/2020	1/23/2023
MDTA19BMP0262	2021	515283.243	1323858.077	13-SF-5501	E3-310	IC0155M06	S	ITRN	NEWD	3/13/2019	P	10/12/2018	3/12/2022
MDTA19BMP0263	2021	515216.554	1323951.859	13-SF-5501	E3-298	IC0155M07	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0264	2021	515347.118	1323768.535	13-SF-5501	E3-283	IC0155M08	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0265	2021	515305.430	1324011.716	13-SF-5501	E3-296	IC0155W01	S	FSND	NEWD	11/6/2020	P	11/6/2020	11/6/2023
MDTA19BMP0266	2021	515538.287	1323662.035	13-SF-5501	E3-273	IC0155W02	S	FSND	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0267	2021	512850.241	1324907.070	13-SF-5501	W-5	IC0159E01	S	PWED	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0268	2021	513919.154	1325410.688	13-SF-5501	W-2	IC0159E02	S	PMED	NEWD	11/12/2020	P	9/9/2019	11/12/2023
MDTA19BMP0269	2021	514554.104	1325390.078	13-SF-5501	W-1	IC0159W01	S	PMED	NEWD	3/13/2019	P	10/4/2019	3/12/2022
MDTA19BMP0270	2021	513448.021	1325929.802	13-SF-5501	W-3	IC0161E01	S	PWED	NEWD	1/28/2020	P	1/28/2020	1/27/2023
MDTA19BMP0271	2021	512457.026	1328337.643	13-SF-5501	W-4	IC0165E01	S	PMED	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0272	2021	512631.483	1330715.877	13-SF-5501	M-1C	IC0170W01	S	PWED	NEWD	1/22/2020	P	1/22/2020	1/21/2023
MDTA19BMP0273	2021	512554.294	1331834.161	13-SF-5501	M-1D	IC0172W01	S	PWET	NEWD	3/13/2019	P	10/4/2019	3/12/2022
MDTA19BMP0274	2021	512371.798	1338565.612	13-SF-5501	E-2	IC0185E01	S	PMED	NEWD	1/17/2020	P	3/13/2018	1/16/2023
MDTA19BMP0275	2021	511909.145	1338608.432	13-SF-5501	E-28	IC0185E02	S	PMED	NEWD	1/24/2020	P	2/28/2018	1/23/2023
MDTA19BMP0276	2021	513122.059	1338862.370	13-SF-5501	E-3	IC0185W01	S	PMED	NEWD	1/17/2020	P	1/17/2020	1/16/2023
MDTA19BMP0277	2021	513518.328	1339367.346	13-SF-5501	E-17	IC0185W03	S	PMED	NEWD	11/12/2020	P	11/12/2020	11/12/2023
MDTA19BMP0278	2021	512363.684	1339591.514	13-SF-5501	E-5	IC0186W01	S	PWET	NEWD	10/23/2020	P	10/23/2020	10/23/2023
MDTA19BMP0279	2021	509879.587	1341085.816	13-SF-5501	E-7	IC0191E01	S	PMED	NEWD	1/22/2020	P	1/22/2020	1/21/2023
MDTA19BMP0280	2021	510106.978	1343340.871	13-SF-5501	BS-VMR-4	IC0195E01	E	MSWB	NEWD	4/20/2021	P	4/20/2021	4/19/2024
MDTA19BMP0281	2021	510260.034	1343351.425	13-SF-5501	BS-VMR-3	IC0195W01	E	MSWB	NEWD	6/18/2021	P	6/18/2021	6/17/2024
MDTA19BMP0282	2021	510471.770	1343829.839	13-SF-5501	BS-VMR-7	IC0196A01	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0283	2021	509110.619	1343327.415	13-SF-5501	BS-VMR-11	IC0196S01	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0284	2021	510082.113	1344015.617	13-SF-5501	BR-VMR-1	IC0197A01	S	FBIO	NEWD	4/20/2021	P	4/20/2021	4/19/2024
MDTA19BMP0285	2021	510042.151	1344155.331	13-SF-5501		IC0197A02	S	XDPD	NEWD	4/20/2021	P	1/22/2019	4/19/2024
MDTA19BMP0286	2021	509944.319	1344094.540	13-SF-5501	BS-VMR-8	IC0197A03	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0287	2021	510138.113	1344492.406	13-SF-5501	BS-VMR-9	IC0197A04	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0288	2021	510251.602	1344386.109	13-SF-5501	BS-VMR-5	IC0197M01	E	MSWB	NEWD	6/18/2021	P	6/18/2021	6/17/2024
MDTA19BMP0289	2021	509569.287	1343675.509	13-SF-5501	BS-VMR-2	IC0197N01	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0290	2021	510795.750	1344116.032	13-SF-5501	BS-VMR-1	IC0197N02	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0291	2021	510352.934	1344351.678	13-SF-5501	BS-VMR-10	IC0197W01	E	MSWB	NEWD	6/18/2021	P	6/18/2021	6/17/2024
MDTA19BMP0292	2021	510177.940	1344551.977	13-SF-5501	BS-VMR-6	IC0198A01	E	MSWB	NEWD	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0293	2021	510043.421	1345230.270	13-SF-5501		IC0199W01	E	MSWB	NEWD	4/20/2021	P	4/20/2021	4/19/2024
MDTA19BMP0294	2021	510085.240	1345959.441	13-SF-5501	Pond-1	IC0200F01	S	PWED	NEWD	3/7/2019	P	3/7/2019	3/6/2022
MDTA19BMP0295	2021	509856.848	1345558.592	13-SF-5501		IC0200W01	E	MSWB	NEWD	4/20/2021	P	4/20/2021	4/19/2024
MDTA19BMP0296	2021	509661.346	1345793.729	13-SF-5501		IC0200W02	E	MSWB	NEWD	4/20/2021	P	4/20/2021	4/19/2024
MDTA19BMP0297	2021	561030.648	1428852.561	13-SF-5501	KB0004M01	KB0004M01	E	MSWB	REST	3/13/2019	P	10/4/2019	3/12/2022
MDTA19BMP0298	2021	560935.812	1428211.476	13-SF-5501	KB0005M01	KB0005M01	E	MSWB	REST	3/13/2019	P	10/12/2018	3/12/2022
MDTA19BMP0299	2021	561071.206	1425884.413	13-SF-5501	KB0010M01	KB0010M01	E	MSWB	REST	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0300	2021	561120.457	1425041.535	13-SF-5501	KB0012M01	KB0012M01	E	MSWB	REST	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0301	2021	572893.522	1456851.788	13-SF-5501	SWM Pond-1	KB0455S01	S	PWET	REST	4/6/2021	P	9/23/2020	4/5/2024
MDTA19BMP0302	2021	572241.730	1451443.465	13-SF-5501	PSF-1	KB0464A01	S	FPER	REST	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0303	2021	574364.417	1450287.245	13-SF-5501	PSF-2	KB0464A02	S	FPER	REST	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0304	2021	570761.011	1452643.110	13-SF-5501	KB0008	KB0464N01	S	PWED	REST	4/6/2021	P	3/14/2018	4/5/2024
MDTA19BMP0305	2021	570543.633	1452399.157	13-SF-5501	KB0465F01	KB0465F01	S	FBIO	REST	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0306	2021	569931.684	1451073.264	13-SF-5501	KB0004	KB0467F01	S	FBIO	REST	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0307	2021	569519.920	1451018.970	13-SF-5501	KB0468E01	KB0468E01	S	FBIO	REST	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0308	2021	569230.281	1450276.195	13-SF-5501	ESD 1-1	KB0469A01	E	MSWB	REDE	3/13/2019	P	10/12/2018	3/12/2022
MDTA19BMP0309	2021	569010.724	1450040.062	13-SF-5501	ESD 1-2	KB0470A01	E	MSWB	REDE	3/13/2019	P	10/12/2018	3/12/2022
MDTA19BMP0310	2021	569988.907	1451172.798	13-SF-5501	KB0009	KB0470F01	S	ODSW	REST	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0311	2021	568397.047	1449326.683	13-SF-5501	ESD 1-4	KB0472A01	E	MSWB	REDE	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0312	2021	568212.925	1449299.406	13-SF-5501	ESD 1-5	KB0472A02	E	MSWB	REDE	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0313	2021	567224.133	1448322.196	13-SF-5501	KB0007	KB0475A01	S	FBIO	REDE	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0314	2021	561044.390	1440839.730	13-SF-5501	KB0493M01	KB0493M01	E	MSWB	REDE	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0315	2021	560298.867	1439790.233	13-SF-5501	KB0496M01	KB0496M01	E	MSWG	REST	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0316	2021	560084.601	1437267.357	13-SF-5501	KB430	KB0501E01	S	PWET	REDE	3/2/2020	P	8/3/2020	3/2/2023
MDTA19BMP0317	2021	560750.036	1436397.115	13-SF-5501	KB0503A01	KB0503A01	E	MSWG	REST	3/2/2020	P	3/2/2020	3/2/2023
MDTA19BMP0318	2021	560643.074	1436192.320	13-SF-5501	KB0503W01	KB0503W01	E	MSWB	REST	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0319	2021	560635.502	1436387.512	13-SF-5501	KB0503W02	KB0503W02	E	MSWB	REST	3/13/2019	P	3/13/2019	3/12/2022
MDTA19BMP0320	2021	560633.698	1434968.265	13-SF-5501	KB0505M01	KB0505M01	E	MSWB	REST	3/13/2019	P	10/4/2019	3/12/2022

MDTA19BMP0321	2021	607608.768	1448261.412	13-SF-5501	SWM-895-15	KH0620S01	S	PWED	REDE	4/21/2021 P	3/12/2018	4/20/2024
MDTA19BMP0322	2021	609869.395	1449991.333	13-SF-5501	SWM-895-17	KH0626N01	S	PWED	REDE	4/21/2020 P	3/13/2018	4/21/2023
MDTA19BMP0323	2021	611611.586	1450611.486	13-SF-5501	SWM-695-02D	KH0629S01	S	PMED	REDE	3/14/2019 P	8/27/2020	3/13/2022
MDTA19BMP0324	2021	611833.152	1450919.047	13-SF-5501	SWM-695-02C	KH0630S01	S	PMED	REDE	3/14/2019 P	8/25/2020	3/13/2022
MDTA19BMP0325	2021	612661.354	1452127.952	13-SF-5501	SWM-695-03B	KH0633S01	S	PMED	REDE	3/14/2019 P	9/2/2020	3/13/2022
MDTA19BMP0326	2021	613391.224	1454191.704	13-SF-5501	SWM-695-07F	KH0636S01	S	PMED	REDE	3/14/2019 P	8/20/2020	3/13/2022
MDTA19BMP0327	2021	613129.754	1454516.908	13-SF-5501	SWM-695-07G	KH0637N01	S	PMED	REDE	4/21/2020 P	4/21/2020	4/21/2023
MDTA19BMP0328	2021	614017.143	1454074.129	13-SF-5501	SWM-695-07E	KH0637S01	S	PMED	REDE	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0329	2021	612385.031	1455139.512	13-SF-5501	BMP-695-6D	KH0637S02	S	PWED	REDE	4/21/2021 P	4/21/2021	4/20/2024
MDTA19BMP0330	2021	613694.333	1455380.687	13-SF-5501	SWM-695-07C	KH0639N01	S	PMED	REDE	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0331	2021	613981.318	1455767.422	13-SF-5501	SWM-695-07J	KH0640N01	S	PMED	NEWD	4/21/2020 P	2/28/2018	4/21/2023
MDTA19BMP0332	2021	614736.224	1456551.685	13-SF-5501	SWM-695-11A	KH0642N01	S	PMED	REDE	3/18/2019 P	8/25/2020	3/17/2022
MDTA19BMP0333	2021	617419.614	1459525.859	13-SF-5501	SWM-95-01	KH0649S01	S	PWED	REDE	3/5/2021 P	2/12/2018	3/4/2024
MDTA19BMP0334	2021	618272.010	1460611.963	13-SF-5501	SWM-95-03	KH0652S01	S	PWED	REDE	3/5/2021 P	3/5/2021	3/4/2024
MDTA19BMP0335	2021	618756.277	1462274.259	13-SF-5501	SWM-95-05	KH0655N01	S	PMED	REDE	4/21/2020 P	4/21/2020	4/21/2023
MDTA19BMP0336	2021	619865.650	1463699.406	13-SF-5501	SWM-95-06	KH0658N01	S	XDED	REDE	4/29/2020 P	2/14/2018	4/29/2023
MDTA19BMP0337	2021	621153.804	1466013.486	13-SF-5501	SWM-95-07	KH0663N01	S	FSND	REDE	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0338	2021	622478.095	1467142.316	13-SF-5501	SWM-06A	KH0667N01	S	PMED	REDE	3/18/2019 P	7/30/2020	3/17/2022
MDTA19BMP0339	2021	623689.329	1467383.835	13-SF-5501	SWM-05A,05B	KH0668S01	S	PMED	REDE	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0340	2021	623706.666	1468099.862	13-SF-5501	SWM-09E	KH0669N01	S	PWED	REDE	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0341	2021	624298.671	1468902.697	13-SF-5501	SWM-09D	KH0671N01	S	PWED	REDE	3/18/2019 P	10/4/2019	3/17/2022
MDTA19BMP0342	2021	624950.558	1468430.207	13-SF-5501	SWM-09A	KH0672S01	S	PMED	REDE	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0343	2021	627032.199	1470751.662	13-SF-5501	95-10	KH0677N01	S	PMED	REDE	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0344	2021	629101.052	1472407.243	13-SF-5501	95-11	KH0682N01	S	PWED	REDE	3/18/2019 P	10/4/2019	3/17/2022
MDTA19BMP0345	2021	629978.762	1472394.049	13-SF-5501	95-12	KH0684S01	S	PWED	REDE	3/18/2019 P	2/28/2018	3/17/2022
MDTA19BMP0346	2021	631862.373	1474296.731	13-SF-5501	KH0013	KH0689N01	S	ITRN	REDE	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0347	2021	633312.922	1475550.116	13-SF-5501	KH0015	KH0692M01	S	ITRN	REDE	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0348	2021	633618.182	1475858.152	13-SF-5501	KH0016	KH0693M01	S	ITRN	REDE	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0349	2021	634571.732	1476861.288	13-SF-5501	KH0020	KH0696M01	S	ITRN	REDE	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0350	2021	634678.848	1476802.643	13-SF-5501	KH0696S01	KH0696S01U	E	MSWB	CONV	6/9/2020 P	6/9/2020	6/9/2023
MDTA19BMP0351	2021	636278.312	1478398.948	13-SF-5501	KH0022	KH0700S01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0352	2021	638606.896	1479827.331	13-SF-5501	KH0705M01	KH0705M01U	E	MSWB	CONV	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0353	2021	638914.674	1480185.598	13-SF-5501	KH0706M01	KH0706M01U	E	MSWB	CONV	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0354	2021	639198.002	1480655.815	13-SF-5501		KH0706M02U	E	MSWB	CONV	3/28/2019 P	3/28/2019	3/27/2022
MDTA19BMP0355	2021	639744.728	1481440.914	13-SF-5501	KH0709S01	KH0709S01U	E	MSWB	CONV	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0356	2021	640958.938	1483704.773	13-SF-5501	KH0713M01	KH0713M01U	E	MSWB	CONV	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0357	2021	640715.450	1483355.999	13-SF-5501	KH0713M02	KH0713M02	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0358	2021	640684.038	1483476.197	13-SF-5501	KH0032	KH0713N01	S	ITRN	REST	6/9/2020 P	6/9/2020	6/9/2023
MDTA19BMP0359	2021	641120.631	1483919.690	13-SF-5501	KH0035	KH0714M01	S	ITRN	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0360	2021	641079.224	1483713.484	13-SF-5501	KH0034	KH0714S01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0361	2021	642527.887	1485377.930	13-SF-5501	KH0718S01	KH0718S01U	E	MSWB	CONV	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0362	2021	643061.605	1485946.611	13-SF-5501	KH0037	KH0720S01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0363	2021	644234.777	1487198.394	13-SF-5501	KH0038	KH0723S01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0364	2021	644659.100	1487988.183	13-SF-5501	KH0039	KH0724N01	S	IBAS	REST	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0365	2021	647002.780	1491862.734	13-SF-5501	MB-01	KH0733O01	E	MMBR	REST			1/1/2022
MDTA19BMP0366	2021	647362.295	1492641.972	13-SF-5501	KH0046	KH0735S01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0367	2021	646998.781	1495480.749	13-SF-5501	KH0068	KH0740O01	S	FSND	REDE	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0368	2021	647355.469	1496105.438	13-SF-5501	KH0098	KH0741S01	S	PWET	REST	4/20/2020 P	8/26/2020	4/20/2023
MDTA19BMP0369	2021	647151.129	1496540.883	13-SF-5501	KH0051	KH0742N01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0370	2021	646961.997	1496373.830	13-SF-5501	KH0011	KH0742O01	S	ITRN	REST	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0371	2021	647148.433	1496942.067	13-SF-5501	KH0052	KH0743N01	S	ITRN	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0372	2021	647098.374	1497354.890	13-SF-5501		KH0743N02	S	IBAS	REST	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0373	2021	647780.078	1498718.554	13-SF-5501	KH0054	KH0747S01	S	ITRN	REST	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0374	2021	651996.332	1506207.429	13-SF-5501	KH0060	KH0763N01	S	ITRN	REDE	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0375	2021	653418.281	1506614.897	13-SF-5501	KH271	KH0763S01	S	PWED	REDE			4/20/2023
MDTA19BMP0376	2021	652685.018	1506159.088	13-SF-5501	KH0099	KH0764S01	S	ITRN	REST	6/9/2020 P	6/9/2020	6/9/2023
MDTA19BMP0377	2021	654127.364	1509771.395	13-SF-5501	KH0062	KH0771N01	S	ITRN	REST	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0378	2021	654276.236	1509706.068	13-SF-5501	KH0061	KH0771S01	S	ITRN	REST	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0379	2021	654800.263	1510900.442	13-SF-5501	KH0773M01	KH0773M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0380	2021	655636.806	1512544.901	13-SF-5501	KH0777M01	KH0777M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0381	2021	655875.454	1513022.339	13-SF-5501	KH0778M01	KH0778M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0382	2021	657941.089	1516530.102	13-SF-5501	KH0786M01	KH0786M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0383	2021	658641.389	1516938.205	13-SF-5501	KH0787S01	KH0787S01	E	MSWG	REST	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0384	2021	662127.962	1521849.342	13-SF-5501	KH0798M01	KH0798M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0385	2021	662465.082	1522705.010	13-SF-5501	KH0800M01	KH0800M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0386	2021	662107.687	1523131.458	13-SF-5501	122010	KH0800N01	E	MSWG	REDE	4/29/2020 P	4/29/2020	4/29/2023
MDTA19BMP0387	2021	663287.561	1523931.614	13-SF-5501	122008	KH0803S01	E	MSWB	REDE	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0388	2021	667267.767	1528408.378	13-SF-5501	109	KH0815F01	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0389	2021	667106.934	1528725.486	13-SF-5501	6107	KH0816F01	E	MMBR	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0390	2021	667215.237	1528510.843	13-SF-5501	1000	KH0816F02	E	MMBR	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0391	2021	667130.041	1528595.226	13-SF-5501	1001	KH0816F03	E	MMBR	REDE	5/24/2019 P	5/24/2019	5/23/2022
MDTA19BMP0392	2021	667342.643	1528452.274	13-SF-5501	101	KH0816F04	E	MMBR	REDE	3/10/2021 P	6/2/2020	3/9/2024
MDTA19BMP0393	2021	667530.482	1528625.514	13-SF-5501	105	KH0816F05	E	MMBR	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0394	2021	667581.308	1528622.352	13-SF-5501	104	KH0816F06	E	MMBR	REDE	4/22/2020 P	6/2/2020	4/22/2023
MDTA19BMP0395	2021	667521.789	1528805.082	13-SF-5501	111	KH0816F07	E	MMBR	REDE	3/10/2021 P	6/2/2020	3/9/2024
MDTA19BMP0396	2021	667328.471	1529080.859	13-SF-5501	1002	KH0817F01	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0397	2021	667458.386	1529143.954	13-SF-5501	602	KH0817F02	E	MMBR	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0398	2021	667524.714	1529464.602	13-SF-5501	5680	KH0817F03	E	MMBR	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0399	2021	667538.171	1529444.130	13-SF-5501	503	KH0817F04	E	MMBR	REDE	3/10/2021 P	6/2/2020	3/9/2024
MDTA19BMP0400	2021	667852.082	1529030.471	13-SF-5501	405	KH0817F05	E	MMBR	REDE	4/22/2020 P	6/2/2020	4/22/2023
MDTA19BMP0401	2021	668035.707	1528950.314	13-SF-5501	301	KH0817F06	E	MRNG	REDE	3/10/2021 P	6/2/2020	3/9/2024

MDTA19BMP0402	2021	668243.770	1528887.662	13-SF-5501	KH0026	KH0817S01	S	FSND	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0403	2021	668110.701	1529178.238	13-SF-5501	402	KH0818F01	E	MMBR	REDE	4/22/2020 P	6/2/2020	4/22/2023
MDTA19BMP0404	2021	668163.335	1529244.112	13-SF-5501	401	KH0818F02	E	MMBR	REDE	3/10/2021 P	6/2/2020	3/9/2024
MDTA19BMP0405	2021	668235.923	1529549.444	13-SF-5501	2000	KH0818F03	E	MMBR	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0406	2021	668136.091	1529652.258	13-SF-5501	2001	KH0818F04	E	MMBR	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0407	2021	668070.908	1529675.289	13-SF-5501	2002	KH0818F05	E	MMBR	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0408	2021	668180.465	1529762.045	13-SF-5501	KH0063	KH0818O01	S	PWET	REDE	3/5/2021 P	3/5/2021	3/4/2024
MDTA19BMP0409	2021	668142.090	1529886.638	13-SF-5501	801	KH0819F01	E	MRNG	REDE	3/10/2021 P	6/2/2020	3/9/2024
MDTA19BMP0410	2021	671253.145	1534323.245	13-SF-5501	KH0828M01	KH0828M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0411	2021	671805.013	1534803.623	13-SF-5501	KH0830M01	KH0830M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0412	2021	676347.839	1538341.765	13-SF-5501	KH0841S01	KH0841S01	E	MSWG	REST	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0413	2021	676911.760	1538933.261	13-SF-5501	KH0842M01	KH0842M01	E	MSWG	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0414	2021	677489.895	1539402.080	13-SF-5501	KH0843M01	KH0843M01	E	MSWB	REST	5/13/2020 P	10/12/2018	5/13/2023
MDTA19BMP0415	2021	677788.466	1539932.762	13-SF-5501	KH0070	KH0845N01	S	PWED	REST	3/5/2021 P	8/26/2020	3/4/2024
MDTA19BMP0416	2021	678790.080	1540689.955	13-SF-5501	KH0071	KH0847S01	S	PWED	REST	3/5/2021 P	3/3/2018	3/4/2024
MDTA19BMP0417	2021	678961.783	1541384.605	13-SF-5501	KH0849M01	KH0849M01	E	MSWB	REST	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0418	2021	679371.749	1542129.207	13-SF-5501	KH0850M01	KH0850M01	E	MSWB	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0419	2021	679732.502	1542786.664	13-SF-5501	KH0853M01	KH0853M01	E	MSWB	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0420	2021	679882.777	1543252.280	13-SF-5501	KH0853N01	KH0853N01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0421	2021	680326.921	1543721.187	13-SF-5501	KH0854M01	KH0854M01	E	MSWB	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0422	2021	680681.071	1544129.552	13-SF-5501	KH0854M02	KH0854M02	E	MSWB	REST	5/13/2020 P	5/13/2020	5/13/2023
MDTA19BMP0423	2021	680186.362	1543530.569	13-SF-5501	KH0854M03	KH0854M03	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0424	2021	681005.201	1544452.205	13-SF-5501	KH0855M01	KH0855M01	E	MSWB	REST	6/9/2020 P	6/9/2020	6/9/2023
MDTA19BMP0425	2021	681903.072	1545113.651	13-SF-5501	KH0857M01	KH0857M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0426	2021	682565.966	1545461.746	13-SF-5501	KH0858M01	KH0858M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0427	2021	683427.802	1545861.008	13-SF-5501	KH0860M01	KH0860M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0428	2021	684133.813	1546191.666	13-SF-5501	KH0862M01	KH0862M01	E	MSWB	REST	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0429	2021	685009.825	1546693.287	13-SF-5501	KH0864M01	KH0864M01	E	MSWG	REST	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0430	2021	687413.269	1548832.968	13-SF-5501	KH0870M01	KH0870M01	E	MSWB	REST	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0431	2021	688353.378	1549697.389	13-SF-5501	KH0872M01	KH0872M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0432	2021	688895.679	1550234.075	13-SF-5501	KH0874M01	KH0874M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0433	2021	689614.753	1551000.883	13-SF-5501	KH0875M01	KH0875M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0434	2021	690147.464	1551572.688	13-SF-5501	KH0877M01	KH0877M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0435	2021	690660.952	1552123.833	13-SF-5501	KH0879M01	KH0879M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0436	2021	691962.061	1553469.909	13-SF-5501	KH0882M01	KH0882M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0437	2021	692303.349	1553745.599	13-SF-5501	KH0883M01	KH0883M01	E	MSWB	REST	3/14/2019 P	3/14/2019	3/13/2022
MDTA19BMP0438	2021	693547.100	1554573.315	13-SF-5501	KH0886M01	KH0886M01	E	MSWB	REST	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0439	2021	694411.915	1555141.698	13-SF-5501	KH0888M01	KH0888M01	E	MSWB	REST	3/20/2019 P	10/12/2018	3/19/2022
MDTA19BMP0440	2021	695271.387	1555781.180	13-SF-5501	KH0890M01	KH0890M01	E	MSWB	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0441	2021	695680.516	1556208.882	13-SF-5501	KH0891M01	KH0891M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0442	2021	695959.156	1556410.652	13-SF-5501	KH0891S01	KH0891S01	E	MSWB	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0443	2021	695944.492	1556556.927	13-SF-5501	KH0893M01	KH0893M01	E	MSWB	REST	3/18/2019 P	10/12/2018	3/17/2022
MDTA19BMP0444	2021	696246.207	1557063.480	13-SF-5501	KH0893M02	KH0893M02	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0445	2021	696624.250	1558093.189	13-SF-5501	KH0895M01	KH0895M01	E	MSWB	REST	5/27/2020 P	10/12/2018	5/27/2023
MDTA19BMP0446	2021	700165.289	1568980.782	13-SF-5501	KH0916M01	KH0916M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0447	2021	700160.824	1569991.842	13-SF-5501	KH0919M01	KH0919M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0448	2021	700625.106	1571985.365	13-SF-5501	KH0079	KH0923O01	S	PWET	REST	3/5/2021 P	10/19/2018	3/4/2024
MDTA19BMP0449	2021	700458.516	1571678.074	13-SF-5501	KH0078	KH0923O02	S	PWET	REST	3/5/2021 P	9/4/2020	3/4/2024
MDTA19BMP0450	2021	700794.118	1573039.891	13-SF-5501	KH0069	KH0925M01	E	MSWG	REST	5/27/2020 P	5/27/2020	5/27/2023
MDTA19BMP0451	2021	700340.724	1573326.950	13-SF-5501	KH0081	KH0926O01	S	PWET	REST	3/5/2021 P	9/4/2020	3/4/2024
MDTA19BMP0452	2021	700830.455	1573704.588	13-SF-5501	KH0083	KH0926O02	S	PWED	REST	4/20/2020 P	9/4/2020	4/20/2023
MDTA19BMP0453	2021	700090.452	1573998.459	13-SF-5501	KH0082	KH0926O03	S	PWED	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0454	2021	702198.041	1575464.660	13-SF-5501	AE0001	KH0929N01	S	ODSW	REST	6/2/2020 P	6/2/2020	6/2/2023
MDTA19BMP0455	2021	702259.874	1574978.370	13-SF-5501	KH0066	KH0930N01	S	IBAS	REST	3/5/2021 P	3/5/2021	3/4/2024
MDTA19BMP0456	2021	703743.258	1576338.913	13-SF-5501	KH0933M01	KH0933M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0457	2021	703900.972	1576665.729	13-SF-5501	KH0934M01	KH0934M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0458	2021	703773.423	1576142.371	13-SF-5501	KH0067	KH0934S01	S	XDED	REST	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0459	2021	704283.827	1577773.708	13-SF-5501	KH0936M01	KH0936M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0460	2021	704347.619	1577964.892	13-SF-5501	KH0936M02	KH0936M02	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0461	2021	704502.939	1578419.928	13-SF-5501	KH0936M03	KH0936M03	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0462	2021	704852.533	1579446.259	13-SF-5501	KH0939M01	KH0939M01	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0463	2021	704980.342	1579834.779	13-SF-5501	KH0939M02	KH0939M02	E	MSWB	REST	3/18/2019 P	3/18/2019	3/17/2022
MDTA19BMP0464	2021	705091.771	1580154.304	13-SF-5501	KH0941M01	KH0941M01	E	MSWB	REST	3/18/2019 P	10/4/2019	3/17/2022
MDTA19BMP0465	2021	705997.937	1582046.760	13-SF-5501	KH0945M01	KH0945M01	E	MSWB	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0466	2021	706192.155	1582333.085	13-SF-5501	KH0947M01	KH0947M01	E	MSWB	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0467	2021	706469.357	1582742.811	13-SF-5501	KH0947M02	KH0947M02	E	MSWB	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0468	2021	707090.449	1583718.797	13-SF-5501	KH0950M01	KH0950M01	E	MSWB	REST	3/19/2019 P	3/19/2019	3/18/2022
MDTA19BMP0469	2021	707435.233	1584467.936	13-SF-5501	KH0950M02	KH0950M02	E	MSWB	REST	3/20/2019 P	3/20/2019	3/19/2022
MDTA19BMP0470	2021	709686.912	1590699.389	13-SF-5501	101	KH0964F01	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0471	2021	709625.512	1590810.764	13-SF-5501	201	KH0964F02	E	MRNG	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0472	2021	709579.817	1590803.014	13-SF-5501	203	KH0964F03	E	MRNG	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0473	2021	709394.387	1590801.310	13-SF-5501	9000-A	KH0964F04	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0474	2021	709383.513	1590832.189	13-SF-5501	9000-B	KH0964F05	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0475	2021	709836.005	1590948.407	13-SF-5501	1002	KH0964F06	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0476	2021	709873.283	1590995.958	13-SF-5501	1001-B	KH0964F07	E	MRNG	REDE	4/22/2020 P	4/22/2020	4/22/2023
MDTA19BMP0477	2021	709907.134	1591002.665	13-SF-5501	1001-A	KH0964F08	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0478	2021	709369.107	1591118.425	13-SF-5501	1501	KH0964F09	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0479	2021	709396.807	1591210.576	13-SF-5501	1500	KH0964F10	E	MMBR	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0480	2021	709509.384	1591338.469	13-SF-5501	802	KH0965F01	E	MRNG	REDE	3/10/2021 P	3/10/2021	3/9/2024
MDTA19BMP0481	2021	709574.320	1591403.076	13-SF-5501	8000	KH0965F02	E	MRNG	REDE	3/10/2021 P	6/2/2020	3/9/2024
MDTA19BMP0482	2021	709589.718	1591464.269	13-SF-5501	8001	KH0965F03	E	MRNG	REDE	4/22/2020 P	4/22/2020	4/22/2023

MDTA19BMP0483	2021	709614.820	1591517.779	13-SF-5501	8002	KH0965F04	E	MRNG	REDE	4/22/2020	P	4/22/2020	4/22/2023
MDTA19BMP0484	2021	709647.639	1591575.903	13-SF-5501	8003	KH0965F05	E	MRNG	REDE	3/10/2021	P	6/2/2020	3/9/2024
MDTA19BMP0485	2021	709960.719	1591178.031	13-SF-5501	302	KH0965F06	E	MMBR	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0486	2021	710049.780	1591209.543	13-SF-5501	301	KH0965F07	E	MRNG	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0487	2021	710087.210	1591278.837	13-SF-5501	309	KH0965F08	E	MRNG	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0488	2021	709672.603	1591811.340	13-SF-5501	3047	KH0966F01	E	MMBR	REDE	4/22/2020	P	4/22/2020	4/22/2023
MDTA19BMP0489	2021	710289.560	1591647.300	13-SF-5501	1101	KH0966F02	E	MRNG	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0490	2021	709961.299	1592255.553	13-SF-5501	602-A	KH0967F01	E	MRNG	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0491	2021	710003.085	1592262.492	13-SF-5501	602-B	KH0967F02	E	MRNG	REDE	3/10/2021	P	6/2/2020	3/9/2024
MDTA19BMP0492	2021	710072.653	1592292.738	13-SF-5501	601	KH0967F03	E	MMBR	REDE	4/22/2020	P	4/22/2020	4/22/2023
MDTA19BMP0493	2021	710077.124	1592485.132	13-SF-5501	1201	KH0967F04	E	MMBR	REDE	4/22/2020	P	6/2/2020	4/22/2023
MDTA19BMP0494	2021	710340.507	1592076.764	13-SF-5501	501	KH0967F05	E	MMBR	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0495	2021	710473.870	1592076.730	13-SF-5501	502	KH0967F06	E	MMBR	REDE	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0496	2021	710935.272	1593638.407	13-SF-5501	KH0970M01	KH0970M01	E	MSWG	REST	4/22/2020	P	4/22/2020	4/22/2023
MDTA19BMP0497	2021	712367.770	1595109.892	13-SF-5501	KH0973M01	KH0973M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0498	2021	712329.923	1595140.363	13-SF-5501	KH0973M02	KH0973M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0499	2021	712566.319	1595321.047	13-SF-5501	KH0973M03	KH0973M03	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0500	2021	712779.150	1595550.704	13-SF-5501	KH0975M01	KH0975M01	E	MSWB	REST	3/20/2019	P	10/4/2019	3/19/2022
MDTA19BMP0501	2021	712987.790	1595771.024	13-SF-5501	KH0975M02	KH0975M02	E	MSWB	REST	3/20/2019	P	10/4/2019	3/19/2022
MDTA19BMP0502	2021	713451.210	1596270.006	13-SF-5501	KH0976M01	KH0976M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0503	2021	713645.261	1596479.341	13-SF-5501	KH0976M02	KH0976M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0504	2021	714070.380	1597051.190	13-SF-5501	KH0979M01	KH0979M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0505	2021	714350.466	1597347.466	13-SF-5501	KH0979M02	KH0979M02	E	MSWB	REST	3/20/2019	P	10/4/2019	3/19/2022
MDTA19BMP0506	2021	714482.403	1597565.890	13-SF-5501	KH0980M01	KH0980M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0507	2021	714849.981	1598423.246	13-SF-5501	KH0982M01	KH0982M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0508	2021	715172.567	1599254.418	13-SF-5501	KH0983M01	KH0983M01	E	MSWG	REST	5/27/2020	P	5/27/2020	5/27/2023
MDTA19BMP0509	2021	715349.607	1600437.375	13-SF-5501	KH0986M01	KH0986M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0510	2021	715375.412	1600732.266	13-SF-5501	KH0986M02	KH0986M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0511	2021	715395.862	1600912.208	13-SF-5501	KH0986M03	KH0986M03	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0512	2021	715428.074	1601233.865	13-SF-5501	KH0986M04	KH0986M04	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0513	2021	715439.754	1601433.719	13-SF-5501	KH0986M05	KH0986M05	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0514	2021	715484.837	1601766.930	13-SF-5501	KH0987M01	KH0987M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0515	2021	715525.078	1602031.995	13-SF-5501	KH0987M02	KH0987M02	E	MSWB	REST	3/27/2019	P	10/4/2019	3/26/2022
MDTA19BMP0516	2021	715563.028	1602295.508	13-SF-5501	KH0987M03	KH0987M03	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0517	2021	715611.906	1602602.930	13-SF-5501	KH0987M04	KH0987M04	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0518	2021	715677.067	1602923.981	13-SF-5501	KH0989M01	KH0989M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0519	2021	715765.888	1603257.008	13-SF-5501	KH0989M02	KH0989M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0520	2021	716194.636	1604300.743	13-SF-5501	KH0991M01	KH0991M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0521	2021	716020.783	1603960.597	13-SF-5501	KH0992M01	KH0992M01	E	MSWG	REST	5/27/2020	P	5/27/2020	5/27/2023
MDTA19BMP0522	2021	716664.703	1605061.813	13-SF-5501	KH0994M01	KH0994M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0523	2021	717795.127	1606666.609	13-SF-5501	KH0998M02	KH0998M02	E	MSWB	REST	3/27/2019	P	10/12/2018	3/26/2022
MDTA19BMP0524	2021	717055.102	1606814.697	13-SF-5501	KH0093	KH0998N01	S	PWED	REST	4/20/2020	P	9/14/2020	4/20/2023
MDTA19BMP0525	2021	718151.504	1606790.392	13-SF-5501	KH0094	KH0999S01	S	PWED	REST	4/20/2020	P	9/14/2020	4/20/2023
MDTA19BMP0526	2021	718083.665	1607074.804	13-SF-5501	KH1000M01	KH1000M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0527	2021	718782.424	1608046.600	13-SF-5501	KH1002M01	KH1002M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0528	2021	719838.193	1609529.795	13-SF-5501	KH1004M01	KH1004M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0529	2021	720039.820	1609816.194	13-SF-5501	KH1004M02	KH1004M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0530	2021	720289.126	1610184.395	13-SF-5501	KH1005M01	KH1005M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0531	2021	720525.201	1610560.888	13-SF-5501	KH1005M02	KH1005M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0532	2021	720429.393	1611357.462	13-SF-5501	KH0101	KH1006F01	S	FBIO	REST	6/2/2020	P	6/2/2020	6/2/2023
MDTA19BMP0533	2021	720809.818	1611331.962	13-SF-5501	KH0100	KH1007F01	S	XOTH	REST	4/1/2020	P	4/1/2020	4/1/2023
MDTA19BMP0534	2021	722111.636	1613893.335	13-SF-5501	KH1013M01	KH1013M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0535	2021	722208.581	1614170.107	13-SF-5501	KH1013M02	KH1013M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0536	2021	722511.688	1615183.684	13-SF-5501	KH1014M01	KH1014M01	E	MSWB	REST	3/27/2019	P	10/4/2019	3/26/2022
MDTA19BMP0537	2021	722381.014	1616576.178	13-SF-5501	KH1019M01	KH1019M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0538	2021	722225.389	1616951.285	13-SF-5501	KH1020M01	KH1020M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0539	2021	721427.245	1618739.517	13-SF-5501	KH1024M01	KH1024M01	E	MSWG	REST	5/27/2020	P	5/27/2020	5/27/2023
MDTA19BMP0540	2021	720963.990	1620377.500	13-SF-5501	KH1027M01	KH1027M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0541	2021	720995.376	1620796.616	13-SF-5501	KH1028M01	KH1028M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0542	2021	721058.476	1621104.179	13-SF-5501	KH1028M02	KH1028M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0543	2021	721941.523	1624686.085	13-SF-5501	KH1036M01	KH1036M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0544	2021	722024.732	1625014.017	13-SF-5501	KH1036M02	KH1036M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0545	2021	722199.206	1626338.021	13-SF-5501	KH1038M01	KH1038M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0546	2021	722184.378	1626807.102	13-SF-5501	KH1039M01	KH1039M01	E	MSWB	REST	3/28/2019	P	3/28/2019	3/27/2022
MDTA19BMP0547	2021	722141.683	1627215.209	13-SF-5501	KH1039M02	KH1039M02	E	MSWB	REST	3/28/2019	P	10/4/2019	3/27/2022
MDTA19BMP0548	2021	722001.845	1627920.816	13-SF-5501	KH1039M03	KH1039M03	E	MSWB	REST	3/28/2019	P	3/28/2019	3/27/2022
MDTA19BMP0549	2021	721718.065	1628732.994	13-SF-5501	KH1044M01	KH1044M01	E	MSWB	REST	3/28/2019	P	3/28/2019	3/27/2022
MDTA19BMP0550	2021	721619.184	1628991.341	13-SF-5501	KH1044M02	KH1044M02	E	MSWB	REST	3/28/2019	P	3/28/2019	3/27/2022
MDTA19BMP0551	2021	721281.405	1631026.721	13-SF-5501	KH1048M01	KH1048M01	E	MSWB	REST	3/27/2019	P	10/4/2019	3/26/2022
MDTA19BMP0552	2021	721478.585	1632425.772	13-SF-5501	KH1050M01	KH1050M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0553	2021	721844.284	1633523.549	13-SF-5501	KH1050M02	KH1050M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0554	2021	722022.620	1634039.094	13-SF-5501	KH1053M01	KH1053M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0555	2021	722199.056	1634550.649	13-SF-5501	KH1053M02	KH1053M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0556	2021	722363.208	1635027.473	13-SF-5501	KH1055M01	KH1055M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0557	2021	722493.856	1635407.197	13-SF-5501	KH1055M02	KH1055M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0558	2021	722934.205	1636724.644	13-SF-5501	KH1059M01	KH1059M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0559	2021	723007.892	1637055.752	13-SF-5501	KH1060M01	KH1060M01	E	MSWB	REST	3/27/2019	P	10/4/2019	3/26/2022
MDTA19BMP0560	2021	723096.543	1637661.749	13-SF-5501	KH1061M01	KH1061M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0561	2021	723114.730	1638002.263	13-SF-5501	KH1061M02	KH1061M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0562	2021	723105.530	1638568.636	13-SF-5501	KH1063M01	KH1063M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0563	2021	723078.698	1638848.818	13-SF-5501	KH1063M02	KH1063M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022

MDTA19BMP0564	2021	723028.388	1639180.009	13-SF-5501	KH1064M01	KH1064M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0565	2021	722974.527	1639446.169	13-SF-5501	KH1064M02	KH1064M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0566	2021	722881.753	1639796.985	13-SF-5501	KH1065M01	KH1065M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0567	2021	722751.851	1640184.851	13-SF-5501	KH1065M02	KH1065M02	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0568	2021	722629.733	1640511.483	13-SF-5501	KH1066M01	KH1066M01	E	MSWB	REST	3/27/2019	P	3/27/2019	3/26/2022
MDTA19BMP0569	2021	722519.689	1640804.446	13-SF-5501	KH1067M01	KH1067M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0570	2021	722320.254	1641338.602	13-SF-5501	KH1070M01	KH1070M01	E	MSWB	REST	3/20/2019	P	10/12/2018	3/19/2022
MDTA19BMP0571	2021	722162.771	1641754.840	13-SF-5501	KH1070M02	KH1070M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0572	2021	722014.698	1642225.389	13-SF-5501	KH1070M03	KH1070M03	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0573	2021	721911.649	1642670.018	13-SF-5501	KH1072M01	KH1072M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0574	2021	721861.859	1642994.383	13-SF-5501	KH1072M02	KH1072M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0575	2021	721823.720	1643532.910	13-SF-5501	KH1072M03	KH1072M03	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0576	2021	721799.762	1644297.823	13-SF-5501	KH1074M01	KH1074M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0577	2021	721780.279	1645021.918	13-SF-5501	KH1074M02	KH1074M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0578	2021	721761.288	1645673.789	13-SF-5501	KH1074M03	KH1074M03	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0579	2021	721746.560	1646209.216	13-SF-5501	KH1076M01	KH1076M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0580	2021	721735.613	1646678.315	13-SF-5501	KH1076M02	KH1076M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0581	2021	721663.125	1646280.934	13-SF-5501	KH1077N01	KH1077N01	E	MSWG	REST	5/27/2020	P	5/27/2020	5/27/2023
MDTA19BMP0582	2021	721697.170	1647291.716	13-SF-5501	KH1078M01	KH1078M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0583	2021	721657.740	1647643.023	13-SF-5501	KH1078M02	KH1078M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0584	2021	721598.796	1647364.045	13-SF-5501	KH1079N01	KH1079N01	E	MSWG	REST	5/27/2020	P	5/27/2020	5/27/2023
MDTA19BMP0585	2021	721572.176	1648216.503	13-SF-5501	KH1080M01	KH1080M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0586	2021	721490.443	1648647.124	13-SF-5501	KH1080M02	KH1080M02	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0587	2021	721362.512	1649245.293	13-SF-5501	KH1082M01	KH1082M01	E	MSWB	REST	3/20/2019	P	3/20/2019	3/19/2022
MDTA19BMP0588	2021	721562.450	1648787.415	13-SF-5501	KH1082S01	KH1082S01	E	MSWG	REST	3/10/2021	P	3/10/2021	3/9/2024
MDTA19BMP0589	2021	721033.877	1650221.609	13-SF-5501	KH1085N01	KH1085N01	E	MSWG	REST	5/27/2020	P	5/27/2020	5/27/2023
MDTA19BMP0590	2021	492957.203	1479231.481	13-SF-5501	<Null>	LB0314E01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0591	2021	492042.203	1479529.088	13-SF-5501		LB0316A01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0592	2021	492113.115	1479399.591	13-SF-5501		LB0316A02	E	MSWG	REST	4/17/2020	P	10/12/2018	4/17/2023
MDTA19BMP0593	2021	491857.558	1480185.888	13-SF-5501	LB0007	LB0317E01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0594	2021	491978.812	1480119.552	13-SF-5501	LB0008	LB0317E02	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0595	2021	491457.734	1480347.279	13-SF-5501	LB0005	LB0318E01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0596	2021	491357.725	1480389.571	13-SF-5501	LB0004	LB0319E01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0597	2021	491658.925	1480265.112	13-SF-5501	LB0006	LB0319E02	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0598	2021	490842.420	1480431.497	13-SF-5501	W	LB0319F01	S	WSHW	REST	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0599	2021	490725.661	1480198.675	13-SF-5501	LB0009	LB0319F02	S	FSND	REST	4/17/2020	P	10/12/2018	4/17/2023
MDTA19BMP0600	2021	491074.440	1480383.773	13-SF-5501	LB0010	LB0319F03	S	FSND	REST	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0601	2021	491112.586	1480072.438	13-SF-5501	LB0011	LB0319F04	S	FSND	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0602	2021	490501.280	1480762.736	13-SF-5501	LB0001	LB0320F01	E	APRP	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0603	2021	490613.856	1480735.016	13-SF-5501	LB0002	LB0320F02	E	APRP	REST	4/17/2020	P	10/12/2018	4/17/2023
MDTA19BMP0604	2021	479617.546	1501995.723	13-SF-5501		LB0367M01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0605	2021	479689.126	1501785.872	13-SF-5501		LB0367M02	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0606	2021	479419.024	1502314.133	13-SF-5501		LB0368E01	E	MSWG	REST	4/6/2021	P	4/6/2021	4/5/2024
MDTA19BMP0607	2021	479503.416	1502343.045	13-SF-5501		LB0368M01	E	MSWG	REST	4/17/2020	P	4/17/2020	4/17/2023
MDTA19BMP0608	2021	479413.856	1502588.416	13-SF-5501		LB0369M01	E	MSWG	REST	4/6/2021	P	10/12/2018	4/5/2024
MDTA19BMP0609	2021	253678.042	1317694.053	13-SF-5501	NB0001	NB0019F01	S	FSND	REST	3/18/2020	P	3/18/2020	3/18/2023
MDTA19BMP0610	2021	254346.921	1319029.806	13-SF-5501	NB0003	NB0021F01	E	APRP	REDE	3/18/2020	P	3/18/2020	3/18/2023
MDTA19BMP0611	2021	254062.114	1318662.911	13-SF-5501	NB0002	NB0021S01	S	FSND	REDE	3/18/2020	P	3/18/2020	3/18/2023
MDTA19BMP0612	2021	581544.698	1441430.554	13-SF-5501	PB0001	PB0000F01	S	FUND	REST	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0613	2021	581472.490	1441435.796	13-SF-5501	PB0002	PB0000F02	S	FUND	REST	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0614	2021	581400.187	1441440.310	13-SF-5501	PB0003	PB0000F03	S	FUND	REST	10/1/2020	P	10/1/2020	10/1/2023
MDTA19BMP0615	2021	0.000	0.000	13-SF-5501		STREET_SWEEP	A	VSS					
MDTA19BMP0618	2021	0.000	0.000	13-SF-5501		MDTA_IA_REMOVAL	A	IMPP					
MDTA19BMP0620	2021	641871.582	1485238.883	13-SF-5501	MB-1	KH0717A01	E	MMBR	REST				1/1/2022
MDTA19BMP0621	2021	488894.145	1481563.869	13-SF-5501	MBR-1	LB0323F01	E	MMBR	REST				1/1/2022
MDTA19BMP0622	2021	582511.758	1405986.921	13-SF-5501	FT0501S01	FT0501S01	S	FSND	REST				1/1/2023
MDTA19BMP0623	2021	588531.358	1438978.797	13-SF-5501	HT0118S01	HT0118S01	S	ODSW	REST				1/1/2023

Note: Several Example BMPs have been incorporated to help display the new structure.

[1] Every BMP Identified in this table should match BMP_ID data entered in either "Table B1.b._ESD.STRUCTURAL" sheet or "Table B.1.c._Alternative" sheet

[2] Northing and Easting are geographic points used to locate BMPs, Maryland requires using State Plane NAD 83 meters for geographic location. You can use Geographic Information Systems (GIS) or other computer programs to provide these

Questions on Maryland specific stormwater design? Follow the link below.

Link to Maryland's Stormwater Design Manual

Table B.1.a. BMP Reporting Requirements

Description: This table is to be completed for all structural, ESD and alternative BMPs.

COLUMN NAME	DATA TYPE	SIZE	MANDATORY	DESCRIPTION
BMP_ID	TEXT	13	M	Unique MDE Table ID. (Ex: RO12BMP000001); see Table B.2
REPORTING_YEAR	TEXT	4	M	State fiscal year (YYYY)
MD_NORTH	NUMERIC	8	M	Maryland grid coordinate Northing (NAD 83 meters)
MD_EAST	NUMERIC	8	M	Maryland grid coordinate Easting (NAD 83 meters)
PERMIT_NUM	TEXT	10	M	General Discharge Permit Number (use: 13-SF-5500 for municipal permit and 13-SF_5501 for State and federal permit)
LOCAL_BMP_ID	TEXT	25	C	Local project approval number or State/Federal project approval number
BMP_NAME	TEXT	100	M	Use BMP names (e.g. Glendale Pond)
BMP_CLASS	TEXT	1	M	Use BMP classification noted in Table B.3 (E, S or A)
BMP_TYPE	TEXT	5	M	Use BMP Type or most predominant type from Table B.3
CON_PURPOSE	TEXT	4	M	Enter code for New development project (NEWD), Redevelopment (REDE), Restoration (REST), Conversion (CONV)
LAST_INSP_DATE	DATE	8	M*	Last inspection date (MM/DD/YYYY)
BMP_STATUS	TEXT	1	M	Enter P = Pass or F = Fail for BMP inspection status
MAIN_DATE	DATE	8	C	Last date maintenance was performed (MM/DD/YYYY); field is conditional on the BMP failing an inspection
REINSP_DATE	DATE	8	C	Next planned inspection date (MM/DD/YYYY)
REINSP_STATUS	TEXT	1	C	Re-inspection status (i.e., Pass/Fail); This is a follow-up inspection after a failed BMP has undergone maintenance
GEN_COMMENTS	TEXT	255	C	General comments - optional information

M = Mandatory

C = Conditional Only required if certain other data are provided.

*Note BMPs that are not inspected within the last 5 years will lose credit in the Chesapeake Bay Model.

Table B.1.b. Reporting Requirements for ESD and Structural Practices

Description: This table is used to collect information specific to ESD and Structural practices.

COLUMN NAME	DATA TYPE	SIZE	MANDATORY	DESCRIPTION
BMP_ID	TEXT	13	M	BMP_ID linking record to BMP_ID in Table B.1.a.
NUM_BMPS	NUMERIC	2	M	Sum total of BMPs used to meet P_E (enter 1 for a single BMP)
ON_OFF_SITE	TEXT	10	C	Is the facility located on the project site or off site
CONVERTED_FROM	TEXT	13	C	If conversion of existing BMP then prior BMP_ID should be entered here. Condtional on Con_Purpose = CONV
BMP_STATUS	TEXT	10	M	BMP is either "ACT" for active or "REM" for removed
BMP_DRAIN_AREA	NUMERIC	6	M	Total drainage area (acres) to a single BMP or ESD system.
IMP_ACRES	NUMERIC	8	M	Total impervious area (acres) to a single BMP or ESD system.
PE_ADR	NUMERIC	8	M	P_E addressed: Rainfall (in inches) addressed for a single BMP or system of ESD practices within the drainage area
APPR_DATE	DATE	8	M	Permit approval date (MM/DD/YYYY)
BUILT_DATE	DATE	8	M	Construction completion date (MM/DD/YYYY)
GEN_COMMENTS	TEXT	255	C	General comments - optional information

Table B.1.b. Reporting Requirements for ESD and Structural Practices (Sample Input Table)

More specific data related to ESD and structural BMPs is populated in this table.

BMP_ID[1]	NUM_BMPS[2]	ON_OFF_SITE	CONVERTED_FROM	BMP_STATUS	BMP_DRAIN_AREA	IMP_ACRES[3]	PE_ADR	APPR_DATE	BUILT_DATE	GEN_COMMENTS
MDTA19BMP0001	1	ON	NO	ACT	14.73	6.47	1	8/1/2008	7/19/2010	MDTA ID FT0500S01
MDTA19BMP0002	1	ON	NO	ACT	4.28	2.96	0	11/13/1990	11/13/1990	MDTA ID FT0560F01
MDTA19BMP0003	1	ON	NO	ACT	4.6	2.88	0.5	11/13/1990	11/13/1990	MDTA ID FT0561F01
MDTA19BMP0004	1	ON	NO	ACT	8.49	2.34	1	1/10/2007	1/10/2007	MDTA ID FT0572S01
MDTA19BMP0005	1	ON	NO	ACT	3.24	1.68	1	12/1/2009	9/15/2011	MDTA ID FT0586S01
MDTA19BMP0006	1	ON	NO	ACT	24.55	8.26	1	4/11/2007	5/26/2013	MDTA ID FT0606N01
MDTA19BMP0007	1	ON	NO	ACT	0.15	0.07	0.5	2/2/1989	2/2/1989	MDTA ID HB0001F01
MDTA19BMP0008	1	ON	NO	ACT	1.66	0.86	1	5/1/2013	1/1/2014	MDTA ID HT0002A01
MDTA19BMP0009	1	ON	NO	ACT	0.9	0.33	1	5/1/2013	1/1/2014	MDTA ID HT0002A02
MDTA19BMP0010	1	ON	NO	ACT	1.24	0.67	1	5/1/2013	1/1/2014	MDTA ID HT0002A03
MDTA19BMP0011	1	ON	NO	ACT	1.21	0.69	1	5/1/2013	1/1/2014	MDTA ID HT0003A03
MDTA19BMP0012	1	ON	NO	ACT	0.98	0.47	0.97	5/1/2013	1/1/2014	MDTA ID HT0004A01
MDTA19BMP0013	1	ON	NO	ACT	0.74	0.35	1		1/1/2005	MDTA ID HT0006M01
MDTA19BMP0014	1	ON	NO	ACT	0.69	0.32	1		1/1/2005	MDTA ID HT0007M01
MDTA19BMP0015	1	ON	NO	ACT	1.66	0.79	0.96	5/1/2013	1/1/2014	MDTA ID HT0009A01
MDTA19BMP0016	1	ON	NO	ACT	0.78	0.42	1	5/1/2013	1/1/2014	MDTA ID HT0011A01
MDTA19BMP0017	1	ON	NO	ACT	0.84	0.45	0.88	5/1/2013	1/1/2014	MDTA ID HT0012A01
MDTA19BMP0018	1	ON	NO	ACT	0.84	0.43	1		1/1/2005	MDTA ID HT0013M01
MDTA19BMP0019	1	ON	NO	ACT	0.83	0.52	1	5/1/2006	5/1/2006	MDTA ID HT0015A01
MDTA19BMP0020	1	ON	NO	ACT	1.35	0.82	1		1/1/2005	MDTA ID HT0015M01
MDTA19BMP0021	1	ON	NO	ACT	1.14	0.57	1	5/1/2012	1/1/2014	MDTA ID HT0016A01
MDTA19BMP0022	1	ON	NO	ACT	1.2	0.62	1	6/1/2012	1/1/2013	MDTA ID HT0016M01
MDTA19BMP0023	1	ON	NO	ACT	1.23	0.76	1		1/1/2005	MDTA ID HT0017M01
MDTA19BMP0024	1	ON	NO	ACT	1.44	0.73	1	5/1/2013	1/1/2014	MDTA ID HT0018A01
MDTA19BMP0025	1	ON	NO	ACT	0.71	0.34	1	5/1/2013	1/1/2014	MDTA ID HT0020A01
MDTA19BMP0026	1	ON	NO	ACT	1.31	0.38	1	5/1/2013	1/1/2014	MDTA ID HT0021A01
MDTA19BMP0027	1	ON	NO	ACT	1.14	0.38	1	5/1/2013	1/16/2017	MDTA ID HT0021M01
MDTA19BMP0028	1	ON	NO	ACT	1.06	0.52	1		1/1/2005	MDTA ID HT0025M01
MDTA19BMP0029	1	ON	NO	ACT	1.07	0.56	1	6/1/2012	1/1/2013	MDTA ID HT0026M01
MDTA19BMP0030	1	ON	NO	ACT	0.7	0.53	1	7/30/2005	1/1/2006	MDTA ID HT0027S01
MDTA19BMP0031	1	ON	NO	ACT	1.74	0.97	1	6/1/2012	1/1/2013	MDTA ID HT0028M01
MDTA19BMP0032	1	ON	NO	ACT	1.82	0.98	1	6/1/2012	1/1/2013	MDTA ID HT0028M03
MDTA19BMP0033	1	ON	NO	ACT	1.77	0.95	1	6/1/2012	1/1/2013	MDTA ID HT0030M01
MDTA19BMP0034	1	ON	NO	ACT	0.59	0.3	1	6/1/2012	1/1/2013	MDTA ID HT0032M01
MDTA19BMP0035	1	ON	NO	ACT	0.82	0.42	1	6/1/2012	1/1/2013	MDTA ID HT0034M01
MDTA19BMP0036	1	ON	NO	ACT	1.31	0.68	1	6/1/2012	1/1/2013	MDTA ID HT0039M01
MDTA19BMP0037	1	ON	NO	ACT	1.44	0.78	1	6/1/2012	1/1/2013	MDTA ID HT0041M01
MDTA19BMP0038	1	ON	NO	ACT	0.93	0.51	1	6/1/2012	1/1/2013	MDTA ID HT0042M01
MDTA19BMP0039	1	ON	NO	ACT	0.94	0.53	1	6/1/2012	1/1/2013	MDTA ID HT0043M01
MDTA19BMP0040	1	ON	NO	ACT	0.72	0.4	1	6/1/2012	1/1/2013	MDTA ID HT0044M01
MDTA19BMP0041	1	ON	NO	ACT	0.39	0.21	1	6/1/2012	1/1/2013	MDTA ID HT0044M02
MDTA19BMP0042	1	ON	NO	ACT	1.2	0.65	1	6/1/2012	1/1/2013	MDTA ID HT0045M01
MDTA19BMP0043	1	ON	NO	ACT	1.01	0.49	1		1/1/2005	MDTA ID HT0046A01
MDTA19BMP0044	1	ON	NO	ACT	1.73	1.03	1	6/1/2012	1/1/2013	MDTA ID HT0046M01
MDTA19BMP0045	1	ON	NO	ACT	0.98	0.56	1	9/14/2015	2/1/2020	MDTA ID HT0050M01
MDTA19BMP0046	1	ON	NO	ACT	6.73	1.68	1	8/23/2005	1/1/2006	MDTA ID HT0080F01
MDTA19BMP0047	1	ON	NO	ACT	7.74	4.02	1	6/1/2006	1/1/2013	MDTA ID HT0139N01

MDTA19BMP0048	1	ON	NO	ACT	14.56	6.57	1	1/25/2008	1/1/2013	MDTA ID HT0140S01
MDTA19BMP0049	1	ON	NO	ACT	24.1	17.95	1	1/25/2008	1/1/2013	MDTA ID HT0147S01
MDTA19BMP0050	1	ON	NO	ACT	1	0.14	1	5/1/2016	5/1/2016	MDTA ID HT0B11N01
MDTA19BMP0051	1	ON	NO	ACT	1	0.15	1	5/1/2016	5/1/2016	MDTA ID HT0B11S01
MDTA19BMP0052	1	ON	NO	ACT	9.84	1.24	1	10/1/2007	1/1/2008	MDTA ID IC0026A03
MDTA19BMP0053	1	ON	NO	ACT	9.86	1.24	0	10/1/2007	1/1/2008	MDTA ID IC0026A04
MDTA19BMP0054	1	ON	NO	ACT	9.8	2.57	0	10/1/2007	1/1/2008	MDTA ID IC0026W01
MDTA19BMP0055	1	ON	NO	ACT	3.33	2.35	1	10/1/2007	1/1/2008	MDTA ID IC0027E02
MDTA19BMP0056	1	ON	NO	ACT	4.5	2.71	1	10/1/2007	1/1/2008	MDTA ID IC0027M03
MDTA19BMP0057	1	ON	NO	ACT	10.17	5.92	1	12/1/2007	1/1/2008	MDTA ID IC0032E03
MDTA19BMP0058	1	ON	NO	ACT	6.86	4.03	1	10/1/2007	1/1/2008	MDTA ID IC0036W01
MDTA19BMP0059	1	ON	NO	ACT	10.43	3.85	1	10/1/2007	1/1/2008	MDTA ID IC0037W01
MDTA19BMP0060	1	ON	NO	ACT	20.01	1.8	0	10/1/2007	1/1/2008	MDTA ID IC0040E01
MDTA19BMP0061	1	ON	NO	ACT	7.8	2.08	0	10/1/2007	1/1/2008	MDTA ID IC0042E01
MDTA19BMP0062	1	ON	NO	ACT	7.49	4.69	1	10/1/2007	1/1/2008	MDTA ID IC0048M01
MDTA19BMP0063	1	ON	NO	ACT	7.49	4.69	1	10/1/2007	1/1/2008	MDTA ID IC0048W01
MDTA19BMP0064	1	ON	NO	ACT	7.49	5.12	1	10/1/2007	1/1/2008	MDTA ID IC0048W02
MDTA19BMP0065	1	ON	NO	ACT	22.4	9	0	10/1/2007	1/1/2008	MDTA ID IC0051E02
MDTA19BMP0066	1	ON	NO	ACT	1.6	0.35	0	10/1/2007	1/1/2008	MDTA ID IC0053W02
MDTA19BMP0067	1	ON	NO	ACT	18.33	9.72	0	10/1/2007	1/1/2008	MDTA ID IC0056E01
MDTA19BMP0068	1	ON	NO	ACT	0.37	0.12	1	10/1/2007	1/1/2008	MDTA ID IC0059E01
MDTA19BMP0069	1	ON	NO	ACT	0.21	0.10	1	10/1/2007	1/1/2008	MDTA ID IC0059E05
MDTA19BMP0070	1	ON	NO	ACT	1.54	0.81	1	10/1/2007	1/1/2008	MDTA ID IC0059E08
MDTA19BMP0071	1	ON	NO	ACT	0.47	0.31	1	10/1/2007	1/1/2008	MDTA ID IC0059M03
MDTA19BMP0072	1	ON	NO	ACT	1.7	1.01	1	10/1/2007	1/1/2008	MDTA ID IC0059M04
MDTA19BMP0073	1	ON	NO	ACT	1.51	0.40	1	10/1/2007	1/1/2008	MDTA ID IC0059W03
MDTA19BMP0074	1	ON	NO	ACT	1.48	0.53	1	10/1/2007	1/1/2008	MDTA ID IC0059W04
MDTA19BMP0075	1	ON	NO	ACT	1.49	0.74	1	10/1/2007	1/1/2008	MDTA ID IC0063E02
MDTA19BMP0076	1	ON	NO	ACT	1.61	0.96	1	10/1/2007	1/1/2008	MDTA ID IC0063M02
MDTA19BMP0077	1	ON	NO	ACT	2.35	0.74	1	10/1/2007	1/1/2008	MDTA ID IC0063W02
MDTA19BMP0078	1	ON	NO	ACT	0.82	0.30	1	10/1/2007	1/1/2008	MDTA ID IC0064E02
MDTA19BMP0079	1	ON	NO	ACT	0.62	0.37	1	10/1/2007	1/1/2008	MDTA ID IC0064M02
MDTA19BMP0080	1	ON	NO	ACT	0.54	0.40	1	10/1/2007	1/1/2008	MDTA ID IC0064W02
MDTA19BMP0081	1	ON	NO	ACT	1.27	3.78	1	10/1/2007	1/1/2008	MDTA ID IC0064W03
MDTA19BMP0082	1	ON	NO	ACT	1.49	2.55	1	10/1/2007	1/1/2008	MDTA ID IC0065E02
MDTA19BMP0083	1	ON	NO	ACT	0.61	0.34	1	10/1/2007	1/1/2008	MDTA ID IC0065M01
MDTA19BMP0084	1	ON	NO	ACT	1.38	0.70	1	10/1/2007	1/1/2008	MDTA ID IC0065W02
MDTA19BMP0085	1	ON	NO	ACT	1.51	0.72	1	10/1/2007	1/1/2008	MDTA ID IC0066E01
MDTA19BMP0086	1	ON	NO	ACT	0	0.00	1	10/1/2007	1/1/2008	MDTA ID IC0066E02
MDTA19BMP0087	1	ON	NO	ACT	3.62	2.69	1	10/1/2007	1/1/2008	MDTA ID IC0066E03
MDTA19BMP0088	1	ON	NO	ACT	0.62	0.39	1	10/1/2007	1/1/2008	MDTA ID IC0066M04
MDTA19BMP0089	1	ON	NO	ACT	0.52	0.04	1	10/1/2007	1/1/2008	MDTA ID IC0066W02
MDTA19BMP0090	1	ON	NO	ACT	0.09	0.01	1	10/1/2007	1/1/2008	MDTA ID IC0066W04
MDTA19BMP0091	1	ON	NO	ACT	0.33	0.08	1	10/1/2007	1/1/2008	MDTA ID IC0066W05
MDTA19BMP0092	1	ON	NO	ACT	3.45	2.56	1	10/1/2007	1/1/2008	MDTA ID IC0068E01
MDTA19BMP0093	1	ON	NO	ACT	0.32	0.09	1	10/1/2007	1/1/2008	MDTA ID IC0068W01
MDTA19BMP0094	1	ON	NO	ACT	0.04	0.02	1	10/1/2007	1/1/2008	MDTA ID IC0068W03
MDTA19BMP0095	1	ON	NO	ACT	0.42	0.30	1	10/1/2007	1/1/2016	MDTA ID IC0069M01
MDTA19BMP0096	1	ON	NO	ACT	0.46	0.31	1	10/1/2007	1/1/2016	MDTA ID IC0069M02
MDTA19BMP0097	1	ON	NO	ACT	0.04	0.01	1	10/1/2007	1/1/2016	MDTA ID IC0069W01
MDTA19BMP0098	1	ON	NO	ACT	0.48	0.08	1	10/1/2007	1/1/2016	MDTA ID IC0069W02

MDTA19BMP0099	1	ON	NO	ACT	1.17	2.18	1	10/1/2007	1/1/2016	MDTA ID IC0070E01
MDTA19BMP0100	1	ON	NO	ACT	1.96	1.29	1	10/1/2007	1/1/2016	MDTA ID IC0070M02
MDTA19BMP0101	1	ON	NO	ACT	2.01	0.27	1	10/1/2007	1/1/2016	MDTA ID IC0070W05
MDTA19BMP0102	1	ON	NO	ACT	2.16	5.43	1	10/1/2007	1/1/2016	MDTA ID IC0071E01
MDTA19BMP0103	1	ON	NO	ACT	1.59	0.67	1	10/1/2007	1/1/2016	MDTA ID IC0072E03
MDTA19BMP0104	1	ON	NO	ACT	1.23	0.83	1	10/1/2007	1/1/2016	MDTA ID IC0072M02
MDTA19BMP0105	1	ON	NO	ACT	1.56	0.18	1	10/1/2007	1/1/2016	MDTA ID IC0072W02
MDTA19BMP0106	1	ON	NO	ACT	2.61	1.18	1	10/1/2007	1/1/2016	MDTA ID IC0073E02
MDTA19BMP0107	1	ON	NO	ACT	0.75	0.31	1	10/1/2007	1/1/2016	MDTA ID IC0073E03
MDTA19BMP0108	1	ON	NO	ACT	2.03	1.38	1	10/1/2007	1/1/2016	MDTA ID IC0073M01
MDTA19BMP0109	1	ON	NO	ACT	1.88	1.62	1	10/1/2007	1/1/2016	MDTA ID IC0073M03
MDTA19BMP0110	1	ON	NO	ACT	0.91	0.28	1	10/1/2007	1/1/2016	MDTA ID IC0073W02
MDTA19BMP0111	1	ON	NO	ACT	1.22	0.74	1	10/1/2007	1/1/2016	MDTA ID IC0075E02
MDTA19BMP0112	1	ON	NO	ACT	0.3	2.73	0.67	10/1/2007	1/1/2016	MDTA ID IC0075E03
MDTA19BMP0113	1	ON	NO	ACT	0.55	6.24	0.99	10/1/2007	1/1/2016	MDTA ID IC0075E04
MDTA19BMP0114	1	ON	NO	ACT	1.28	0.85	1	10/1/2007	1/1/2016	MDTA ID IC0075W02
MDTA19BMP0115	1	ON	NO	ACT	0.71	0.42	1	10/1/2007	1/1/2016	MDTA ID IC0076E02
MDTA19BMP0116	1	ON	NO	ACT	0.72	0.41	1	10/1/2007	1/1/2016	MDTA ID IC0077E03
MDTA19BMP0117	1	ON	NO	ACT	0.93	0.56	1	10/1/2007	1/1/2016	MDTA ID IC0077E04
MDTA19BMP0118	1	ON	NO	ACT	1.29	0.76	1	10/1/2007	1/1/2016	MDTA ID IC0077M02
MDTA19BMP0119	1	ON	NO	ACT	1.82	1.07	1	10/1/2007	1/1/2016	MDTA ID IC0077W02
MDTA19BMP0120	1	ON	NO	ACT	1.12	0.40	1	10/1/2007	1/1/2016	MDTA ID IC0078E02
MDTA19BMP0121	1	ON	NO	ACT	1.99	1.43	1	10/1/2007	1/1/2016	MDTA ID IC0078M02
MDTA19BMP0122	1	ON	NO	ACT	1.77	1.19	1	10/1/2007	1/1/2016	MDTA ID IC0078W01
MDTA19BMP0123	1	ON	NO	ACT	5.07	2.84	0	8/24/2011	8/24/2011	MDTA ID IC0082E01
MDTA19BMP0124	1	ON	NO	ACT	3.47	2.21	1	8/24/2011	8/24/2011	MDTA ID IC0082E02
MDTA19BMP0125	1	ON	NO	ACT	5.96	3.00	1	10/1/2007	1/1/2016	MDTA ID IC0082E04
MDTA19BMP0126	1	ON	NO	ACT	43.59	19.72	0	10/1/2007	1/1/2016	MDTA ID IC0083E03
MDTA19BMP0127	1	ON	NO	ACT	8.22	3.79	0.94	10/1/2007	1/1/2016	MDTA ID IC0083W04
MDTA19BMP0128	1	ON	NO	ACT	27.92	13.50	0	1/1/2009	1/1/2015	MDTA ID IC0089W01
MDTA19BMP0129	1	ON	NO	ACT	0.29	1.47	1	1/1/2009	1/1/2010	MDTA ID IC0091E01
MDTA19BMP0130	1	ON	NO	ACT	0.43	0.44	0.06	1/1/2009	1/1/2010	MDTA ID IC0091E01A
MDTA19BMP0131	1	ON	NO	ACT	7.06	1.47	1	1/1/2009	1/1/2010	MDTA ID IC0092W01
MDTA19BMP0132	1	ON	NO	ACT	5.97	1.03	1	1/1/2009	1/1/2010	MDTA ID IC0092W01A
MDTA19BMP0133	1	ON	NO	ACT	17.94	7.57	0	1/1/2009	1/1/2015	MDTA ID IC0097E01
MDTA19BMP0134	1	ON	NO	ACT	1.47	1.27	0.99	1/1/2009	1/1/2015	MDTA ID IC0106E01
MDTA19BMP0135	1	ON	NO	ACT	1.15	1.16	0.05	1/1/2009	1/1/2015	MDTA ID IC0106E01A
MDTA19BMP0136	1	ON	NO	ACT	15.13	3.02	0	1/1/2009	1/1/2015	MDTA ID IC0106E02
MDTA19BMP0137	1	ON	NO	ACT	35.04	16.99	0	1/1/2009	1/1/2015	MDTA ID IC0106W01
MDTA19BMP0138	1	ON	NO	ACT	25.26	7.73	0	1/1/2009	1/1/2015	MDTA ID IC0108W01
MDTA19BMP0139	1	ON	NO	ACT	0.98	0.68	0.98	1/1/2009	1/1/2015	MDTA ID IC0109W01
MDTA19BMP0140	1	ON	NO	ACT	1.15	1.17	0.03	1/1/2009	1/1/2015	MDTA ID IC0109W01A
MDTA19BMP0141	1	ON	NO	ACT	1.02	0.91	0.99	1/1/2009	1/1/2015	MDTA ID IC0111E01
MDTA19BMP0142	1	ON	NO	ACT	1.77	1.73	0.06	1/1/2009	1/1/2015	MDTA ID IC0111E01A
MDTA19BMP0143	1	ON	NO	ACT	5.38	3.25	1	1/1/2009	1/1/2015	MDTA ID IC0113E01
MDTA19BMP0144	1	ON	NO	ACT	1.1	1.08	0.06	1/1/2009	1/1/2015	MDTA ID IC0113E01A
MDTA19BMP0145	1	ON	NO	ACT	1.44	1.11	1	1/1/2009	1/1/2015	MDTA ID IC0116W01
MDTA19BMP0146	1	ON	NO	ACT	4.4	2.35	1	1/1/2009	1/1/2015	MDTA ID IC0116W02
MDTA19BMP0147	1	ON	NO	ACT	3.04	2.75	0.99	1/1/2009	1/1/2015	MDTA ID IC0118W01
MDTA19BMP0148	1	ON	NO	ACT	2.72	2.71	0.05	1/1/2009	1/1/2015	MDTA ID IC0118W01A
MDTA19BMP0149	1	ON	NO	ACT	1.33	1.18	1	1/1/2009	1/1/2015	MDTA ID IC0121W01

MDTA19BMP0150	1	ON	NO	ACT	0.92	0.91	0.18	1/1/2009	1/1/2015	MDTA ID IC0121W01A
MDTA19BMP0151	1	ON	NO	ACT	79.57	22.43	0	1/1/2009	1/1/2015	MDTA ID IC0121W02
MDTA19BMP0152	1	ON	NO	ACT	0.95	0.66	0.31818182	1/1/2009	9/11/2015	MDTA ID IC0128E01
MDTA19BMP0153	1	ON	NO	ACT	0.91	0.57	0.31818182	1/1/2009	9/11/2015	MDTA ID IC0128M01
MDTA19BMP0154	1	ON	NO	ACT	0.88	0.49	0.18181818	1/1/2009	9/11/2015	MDTA ID IC0129E02
MDTA19BMP0155	1	ON	NO	ACT	0.72	0.39	0.18181818	1/1/2009	9/11/2015	MDTA ID IC0129M02
MDTA19BMP0156	1	ON	NO	ACT	3.24	2.12	1	1/1/2009	1/1/2015	MDTA ID IC0131E01
MDTA19BMP0157	1	ON	NO	ACT	0	0.00	0.08	1/1/2009	1/1/2015	MDTA ID IC0131E01A
MDTA19BMP0158	1	ON	NO	ACT	3.76	1.91	0.99	1/1/2009	1/1/2015	MDTA ID IC0131W01
MDTA19BMP0159	1	ON	NO	ACT	0	0.00	0.06	1/1/2009	1/1/2015	MDTA ID IC0131W01A
MDTA19BMP0160	1	ON	NO	ACT	0.52	0.23	1	1/1/2009	9/11/2015	MDTA ID IC0133E03
MDTA19BMP0161	1	ON	NO	ACT	0	0.00	1	1/1/2009	9/11/2015	MDTA ID IC0133W01
MDTA19BMP0162	1	ON	NO	ACT	0.71	0.30	1	1/1/2009	9/11/2015	MDTA ID IC0133W04
MDTA19BMP0163	1	ON	NO	ACT	1.11	0.55	0.76439215	1/1/2009	9/11/2015	MDTA ID IC0137E01
MDTA19BMP0164	1	ON	NO	ACT	0.9	1.02	0.78184206	1/1/2009	9/11/2015	MDTA ID IC0137M01
MDTA19BMP0165	1	ON	NO	ACT	0.09	0.03	1	1/1/2009	9/11/2015	MDTA ID IC0137M02
MDTA19BMP0166	1	ON	NO	ACT	0.97	0.47	0.77131469	1/1/2009	9/11/2015	MDTA ID IC0137W01
MDTA19BMP0167	1	ON	NO	ACT	1.93397714	1.74	1	1/1/2009	1/1/2009	MDTA ID IC0138W01
MDTA19BMP0168	1	ON	NO	ACT	0.65	0.34	1	1/1/2009	9/11/2015	MDTA ID IC0139E02
MDTA19BMP0169	1	ON	NO	ACT	0.78	0.55	0.78705422	1/1/2009	9/11/2015	MDTA ID IC0139M01
MDTA19BMP0170	1	ON	NO	ACT	0.35	0.22	1	1/1/2009	9/11/2015	MDTA ID IC0139W02
MDTA19BMP0171	1	ON	NO	ACT	1.93	1.96	1	1/1/2009	1/1/2009	MDTA ID IC0139W03
MDTA19BMP0172	1	ON	NO	ACT	0.85	0.45	1	1/1/2009	9/11/2015	MDTA ID IC0140E05
MDTA19BMP0173	1	ON	NO	ACT	0.91	0.66	1	1/1/2009	9/11/2015	MDTA ID IC0140M01
MDTA19BMP0174	1	ON	NO	ACT	0.3	0.09	1	1/1/2009	9/11/2015	MDTA ID IC0140W02
MDTA19BMP0175	1	ON	NO	ACT	0.1	0.04	1	1/1/2009	9/11/2015	MDTA ID IC0140W03
MDTA19BMP0176	1	ON	NO	ACT	0.25	0.12	1	1/1/2009	9/11/2015	MDTA ID IC0141E05
MDTA19BMP0177	1	ON	NO	ACT	0.43	0.18	1	1/1/2009	9/11/2015	MDTA ID IC0141E06
MDTA19BMP0178	1	ON	NO	ACT	0.38	0.2	1	1/1/2009	9/11/2015	MDTA ID IC0141E09
MDTA19BMP0179	1	ON	NO	ACT	0.24	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0141E10
MDTA19BMP0180	1	ON	NO	ACT	0.21	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0141M05
MDTA19BMP0181	1	ON	NO	ACT	0.46	0.34	1	1/1/2009	9/11/2015	MDTA ID IC0141M10
MDTA19BMP0182	1	ON	NO	ACT	0.21	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0141M11
MDTA19BMP0183	1	ON	NO	ACT	0.33	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0141W05
MDTA19BMP0184	1	ON	NO	ACT	0.18	0.04	1	1/1/2009	9/11/2015	MDTA ID IC0141W07
MDTA19BMP0185	1	ON	NO	ACT	0.22	0.12	1	1/1/2009	9/11/2015	MDTA ID IC0142E01
MDTA19BMP0186	1	ON	NO	ACT	0.16	0.08	1	1/1/2009	9/11/2015	MDTA ID IC0142E02
MDTA19BMP0187	1	ON	NO	ACT	0.22	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0142E04
MDTA19BMP0188	1	ON	NO	ACT	0.31	0.16	1	1/1/2009	9/11/2015	MDTA ID IC0142E05
MDTA19BMP0189	1	ON	NO	ACT	0.11	0.06	1	1/1/2009	9/11/2015	MDTA ID IC0142M01
MDTA19BMP0190	1	ON	NO	ACT	0.47	0.35	1	1/1/2009	9/11/2015	MDTA ID IC0142M02
MDTA19BMP0191	1	ON	NO	ACT	0.17	0.13	1	1/1/2009	9/11/2015	MDTA ID IC0142M03
MDTA19BMP0192	1	ON	NO	ACT	0.11	0.09	1	1/1/2009	9/11/2015	MDTA ID IC0142M04
MDTA19BMP0193	1	ON	NO	ACT	0.25	0.18	1	1/1/2009	9/11/2015	MDTA ID IC0142M06
MDTA19BMP0194	1	ON	NO	ACT	0.14	0.08	1	1/1/2009	9/11/2015	MDTA ID IC0142M07
MDTA19BMP0195	1	ON	NO	ACT	0.5	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0142W01
MDTA19BMP0196	1	ON	NO	ACT	0.11	0.03	1	1/1/2009	9/11/2015	MDTA ID IC0142W04
MDTA19BMP0197	1	ON	NO	ACT	0.13	0.07	1	1/1/2009	9/11/2015	MDTA ID IC0143E01
MDTA19BMP0198	1	ON	NO	ACT	0.28	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0143E08
MDTA19BMP0199	1	ON	NO	ACT	0.15	0.09	1	1/1/2009	9/11/2015	MDTA ID IC0143M01
MDTA19BMP0200	1	ON	NO	ACT	0.25	0.14	1	1/1/2009	9/11/2015	MDTA ID IC0143M06

MDTA19BMP0201	1	ON	NO	ACT	0.48	0.23	1	1/1/2009	9/11/2015	MDTA ID IC0143W01
MDTA19BMP0202	1	ON	NO	ACT	0.32	0.2	1	1/1/2009	9/11/2015	MDTA ID IC0143W02
MDTA19BMP0203	1	ON	NO	ACT	0.42	0.22	1	1/1/2009	9/11/2015	MDTA ID IC0144E01
MDTA19BMP0204	1	ON	NO	ACT	0.26	0.14	1	1/1/2009	9/11/2015	MDTA ID IC0144M01
MDTA19BMP0205	1	ON	NO	ACT	0.28	0.19	1	1/1/2009	9/11/2015	MDTA ID IC0144W06
MDTA19BMP0206	1	ON	NO	ACT	0.54	0.37	1	1/1/2009	9/11/2015	MDTA ID IC0144W07
MDTA19BMP0207	1	ON	NO	ACT	0.26	0.02	1	1/1/2009	9/11/2015	MDTA ID IC0145E05
MDTA19BMP0208	1	ON	NO	ACT	0.71	0.32	1	1/1/2009	9/11/2015	MDTA ID IC0145E06
MDTA19BMP0209	1	ON	NO	ACT	0.38	0.16	1	1/1/2009	9/11/2015	MDTA ID IC0145E07
MDTA19BMP0210	1	ON	NO	ACT	0.26	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0145M04
MDTA19BMP0211	1	ON	NO	ACT	0.84	0.47	1	1/1/2009	9/11/2015	MDTA ID IC0145M05
MDTA19BMP0212	1	ON	NO	ACT	0.41	0.25	1	1/1/2009	9/11/2015	MDTA ID IC0145M06
MDTA19BMP0213	1	ON	NO	ACT	0.2	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0145W01
MDTA19BMP0214	1	ON	NO	ACT	0.19	0.14	1	1/1/2009	9/11/2015	MDTA ID IC0145W04
MDTA19BMP0215	1	ON	NO	ACT	0.53	0.29	1	1/1/2009	9/11/2015	MDTA ID IC0145W05
MDTA19BMP0216	1	ON	NO	ACT	0.2	0.08	1	1/1/2009	9/11/2015	MDTA ID IC0146E02
MDTA19BMP0217	1	ON	NO	ACT	0.41	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0146E03
MDTA19BMP0218	1	ON	NO	ACT	0.11	0.04	1	1/1/2009	9/11/2015	MDTA ID IC0146E04
MDTA19BMP0219	1	ON	NO	ACT	0.34	0.21	1	1/1/2009	1/1/2015	MDTA ID IC0146M01
MDTA19BMP0220	1	ON	NO	ACT	0.13	0.08	1	1/1/2009	9/11/2015	MDTA ID IC0146M02
MDTA19BMP0221	1	ON	NO	ACT	0.01	0.01	1	1/1/2009	9/11/2015	MDTA ID IC0146M03
MDTA19BMP0222	1	ON	NO	ACT	0	0	1	1/1/2009	9/11/2015	MDTA ID IC0146M04
MDTA19BMP0223	1	ON	NO	ACT	0.73	0.4	1	1/1/2009	9/11/2015	MDTA ID IC0146W01
MDTA19BMP0224	1	ON	NO	ACT	0.08	0.06	1	1/1/2009	9/11/2015	MDTA ID IC0146W02
MDTA19BMP0225	1	ON	NO	ACT	0	0	1	1/1/2009	1/1/2009	MDTA ID IC0146W03
MDTA19BMP0226	1	ON	NO	ACT	0	0	1	1/1/2009	1/1/2009	MDTA ID IC0146W04
MDTA19BMP0227	1	ON	NO	ACT	0	0	1	1/1/2009	1/1/2009	MDTA ID IC0146W05
MDTA19BMP0228	1	ON	NO	ACT	0.06	0.01	1	1/1/2009	9/11/2015	MDTA ID IC0149E01
MDTA19BMP0229	1	ON	NO	ACT	0.09	0.01	1	1/1/2009	9/11/2015	MDTA ID IC0149E02
MDTA19BMP0230	1	ON	NO	ACT	0.97	0.07	1	1/1/2009	9/11/2015	MDTA ID IC0149E03
MDTA19BMP0231	1	ON	NO	ACT	3.5	0.66	1	1/1/2009	9/11/2015	MDTA ID IC0149M01
MDTA19BMP0232	1	ON	NO	ACT	10.27	0.63	1	1/1/2009	9/11/2015	MDTA ID IC0149M02
MDTA19BMP0233	1	ON	NO	ACT	0.28	0.09	1	1/1/2009	9/11/2015	MDTA ID IC0149W01
MDTA19BMP0234	1	ON	NO	ACT	0.54	0.21	1	1/1/2009	9/11/2015	MDTA ID IC0149W02
MDTA19BMP0235	1	ON	NO	ACT	1.02	0.50	1	1/1/2009	9/11/2015	MDTA ID IC0150M01
MDTA19BMP0236	1	ON	NO	ACT	1.41	0.45	1	1/1/2009	9/11/2015	MDTA ID IC0150W01
MDTA19BMP0237	1	ON	NO	ACT	0.84	0.17	1	1/1/2009	9/11/2015	MDTA ID IC0151E01
MDTA19BMP0238	1	ON	NO	ACT	0.36	0.18	1	1/1/2009	9/11/2015	MDTA ID IC0151M01
MDTA19BMP0239	1	ON	NO	ACT	0.49	0.25	1	1/1/2009	9/11/2015	MDTA ID IC0151M08
MDTA19BMP0240	1	ON	NO	ACT	0.4	0.16	1	1/1/2009	9/11/2015	MDTA ID IC0151W01
MDTA19BMP0241	1	ON	NO	ACT	0.65	0	1	1/1/2009	9/11/2015	MDTA ID IC0151W08
MDTA19BMP0242	1	ON	NO	ACT	0.36	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0151W09
MDTA19BMP0243	1	ON	NO	ACT	0.74	0.3	1	1/1/2009	9/11/2015	MDTA ID IC0152E02
MDTA19BMP0244	1	ON	NO	ACT	0.85	0.45	1	1/1/2009	9/11/2015	MDTA ID IC0152M01
MDTA19BMP0245	1	ON	NO	ACT	0.77	0.21	1	1/1/2009	9/11/2015	MDTA ID IC0152W02
MDTA19BMP0246	1	ON	NO	ACT	0.73	0.39	1	1/1/2009	9/11/2015	MDTA ID IC0153E01
MDTA19BMP0247	1	ON	NO	ACT	0.16	0.09	1	1/1/2009	9/11/2015	MDTA ID IC0153M01
MDTA19BMP0248	1	ON	NO	ACT	0.48	0.28	1	1/1/2009	9/11/2015	MDTA ID IC0153M04
MDTA19BMP0249	1	ON	NO	ACT	0.48	0.27	1	1/1/2009	9/11/2015	MDTA ID IC0153M05
MDTA19BMP0250	1	ON	NO	ACT	0.88	0.36	1	1/1/2009	9/11/2015	MDTA ID IC0154E01
MDTA19BMP0251	1	ON	NO	ACT	0.47	0.17	1	1/1/2009	9/11/2015	MDTA ID IC0154E08

MDTA19BMP0252	1	ON	NO	ACT	0.52	0.27	1	1/1/2009	9/11/2015	MDTA ID IC0154M01
MDTA19BMP0253	1	ON	NO	ACT	0.11	0.06	1	1/1/2009	9/11/2015	MDTA ID IC0154M03
MDTA19BMP0254	1	ON	NO	ACT	0.18	0.09	1	1/1/2009	9/11/2015	MDTA ID IC0154M05
MDTA19BMP0255	1	ON	NO	ACT	0.16	0.08	1	1/1/2009	9/11/2015	MDTA ID IC0154M08
MDTA19BMP0256	1	ON	NO	ACT	0.48	0.26	1	1/1/2009	9/11/2015	MDTA ID IC0154M09
MDTA19BMP0257	1	ON	NO	ACT	0.06	0	1	1/1/2009	9/11/2015	MDTA ID IC0154W02
MDTA19BMP0258	1	ON	NO	ACT	0.06	0.21	1	1/1/2009	9/11/2015	MDTA ID IC0154W03
MDTA19BMP0259	1	ON	NO	ACT	0.18	0.08	1	1/1/2009	9/11/2015	MDTA ID IC0155E01
MDTA19BMP0260	1	ON	NO	ACT	0.42	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0155E04
MDTA19BMP0261	1	ON	NO	ACT	0.59	0.22	1	1/1/2009	9/11/2015	MDTA ID IC0155E05
MDTA19BMP0262	1	ON	NO	ACT	0.09	0.03	1	1/1/2009	9/11/2015	MDTA ID IC0155M06
MDTA19BMP0263	1	ON	NO	ACT	0.28	0.1	1	1/1/2009	9/11/2015	MDTA ID IC0155M07
MDTA19BMP0264	1	ON	NO	ACT	0.44	0.22	1	1/1/2009	9/11/2015	MDTA ID IC0155M08
MDTA19BMP0265	1	ON	NO	ACT	0.49	0.15	1	1/1/2009	9/11/2015	MDTA ID IC0155W01
MDTA19BMP0266	1	ON	NO	ACT	0.69	0.11	1	1/1/2009	9/11/2015	MDTA ID IC0155W02
MDTA19BMP0267	1	ON	NO	ACT	16.67	1.62	1	5/1/2009	2/11/2013	MDTA ID IC0159E01
MDTA19BMP0268	1	ON	NO	ACT	10.19	3.6	1	5/1/2009	2/11/2013	MDTA ID IC0159E02
MDTA19BMP0269	1	ON	NO	ACT	17.68	7.06	1	5/1/2009	2/11/2013	MDTA ID IC0159W01
MDTA19BMP0270	1	ON	NO	ACT	24.97	15	1	5/1/2009	2/11/2013	MDTA ID IC0161E01
MDTA19BMP0271	1	ON	NO	ACT	19.59	3.94	1	5/1/2009	2/11/2013	MDTA ID IC0165E01
MDTA19BMP0272	1	ON	NO	ACT	17.61	5.02	1	4/1/2009	2/11/2013	MDTA ID IC0170W01
MDTA19BMP0273	1	ON	NO	ACT	13.75	8.11	1	4/1/2009	2/11/2013	MDTA ID IC0172W01
MDTA19BMP0274	1	ON	NO	ACT	17.47	6.26	1	3/1/2011	2/11/2013	MDTA ID IC0185E01
MDTA19BMP0275	1	ON	NO	ACT	6.67	3.1	1	5/1/2009	2/11/2013	MDTA ID IC0185E02
MDTA19BMP0276	1	ON	NO	ACT	21.49	6.73	1	3/1/2011	2/11/2013	MDTA ID IC0185W01
MDTA19BMP0277	1	ON	NO	ACT	20.7	5.74	1	5/1/2009	2/11/2013	MDTA ID IC0185W03
MDTA19BMP0278	1	ON	NO	ACT	33.35	11.7	1	3/1/2011	2/11/2013	MDTA ID IC0186W01
MDTA19BMP0279	1	ON	NO	ACT	33.24	13.98	1	6/1/2010	2/11/2013	MDTA ID IC0191E01
MDTA19BMP0280	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0195E01
MDTA19BMP0281	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0195W01
MDTA19BMP0282	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0196A01
MDTA19BMP0283	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0196S01
MDTA19BMP0284	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197A01
MDTA19BMP0285	1	ON	NO	ACT	0	0	0		9/11/2017	MDTA ID IC0197A02
MDTA19BMP0286	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197A03
MDTA19BMP0287	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197A04
MDTA19BMP0288	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197M01
MDTA19BMP0289	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197N01
MDTA19BMP0290	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197N02
MDTA19BMP0291	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0197W01
MDTA19BMP0292	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0198A01
MDTA19BMP0293	1	ON	NO	ACT	0	0	1		9/11/2017	MDTA ID IC0199W01
MDTA19BMP0294	1	ON	NO	ACT	73.64	8.16	1	8/1/2009	1/1/2014	MDTA ID IC0200F01
MDTA19BMP0295	1	ON	NO	ACT	0	0	1		1/1/2017	MDTA ID IC0200W01
MDTA19BMP0296	1	ON	NO	ACT	0	0	1		1/1/2017	MDTA ID IC0200W02
MDTA19BMP0297	1	ON	NO	ACT	1.03	0.59	0.79	5/1/2013	1/1/2014	MDTA ID KB0004M01
MDTA19BMP0298	1	ON	NO	ACT	1.94	0.79	0.84	5/1/2013	1/1/2014	MDTA ID KB0005M01
MDTA19BMP0299	1	ON	NO	ACT	1.21	0.42	0.99	5/1/2013	1/1/2014	MDTA ID KB0010M01
MDTA19BMP0300	1	ON	NO	ACT	1.14	0.48	0.99	5/1/2013	1/1/2014	MDTA ID KB0012M01
MDTA19BMP0301	1	ON	NO	ACT	23.15	14.02	1	3/24/1995	3/24/1995	MDTA ID KB0455S01
MDTA19BMP0302	1	ON	NO	ACT	0.5	0.33	1	10/1/2005	10/1/2005	MDTA ID KB0464A01

MDTA19BMP0303	1	ON	NO	ACT	0.48	0.36	1	10/1/2005	10/1/2005	MDTA ID KB0464A02
MDTA19BMP0304	1	ON	NO	ACT	14.38	7.54	0.49	11/9/1990	11/9/1990	MDTA ID KB0464N01
MDTA19BMP0305	1	ON	NO	ACT	0.45	0.15	1	5/1/2013	1/1/2014	MDTA ID KB0465F01
MDTA19BMP0306	1	ON	NO	ACT	0.67	0.48	1	10/21/2004	10/21/2004	MDTA ID KB0467F01
MDTA19BMP0307	1	ON	NO	ACT	1.02	0.48	0.92	5/1/2013	1/1/2014	MDTA ID KB0468E01
MDTA19BMP0308	1	ON	NO	ACT	0.71	0.43	1	11/15/2011	1/1/2013	MDTA ID KB0469A01
MDTA19BMP0309	1	ON	NO	ACT	0.54	0.32	1	11/15/2011	1/1/2013	MDTA ID KB0470A01
MDTA19BMP0310	1	ON	NO	ACT	0.86	0.68	1	10/21/2004	10/21/2004	MDTA ID KB0470F01
MDTA19BMP0311	1	ON	NO	ACT	1.18	0.59	1	11/15/2011	1/1/2013	MDTA ID KB0472A01
MDTA19BMP0312	1	ON	NO	ACT	0.71	0.46	1	11/15/2011	1/1/2013	MDTA ID KB0472A02
MDTA19BMP0313	1	ON	NO	ACT	0.17	0.12	1	4/1/2006	9/14/2007	MDTA ID KB0475A01
MDTA19BMP0314	1	ON	NO	ACT	3.43	1.50	1	3/20/2015	3/20/2015	MDTA ID KB0493M01
MDTA19BMP0315	1	ON	NO	ACT	0.66	0.28	1		1/1/2005	MDTA ID KB0496M01
MDTA19BMP0316	1	ON	NO	ACT	44.1	10.73	1	1/1/2009	9/15/2011	MDTA ID KB0501E01
MDTA19BMP0317	1	ON	NO	ACT	1.32	0.54	1		1/1/2005	MDTA ID KB0503A01
MDTA19BMP0318	1	ON	NO	ACT	0.59	0.39	0.47	5/1/2013	1/1/2014	MDTA ID KB0503W01
MDTA19BMP0319	1	ON	NO	ACT	0.46	0.22	0.55	5/1/2013	1/1/2014	MDTA ID KB0503W02
MDTA19BMP0320	1	ON	NO	ACT	2.18	1.22	0.72	5/1/2013	1/1/2014	MDTA ID KB0505M01
MDTA19BMP0321	1	ON	NO	ACT	14.46	11.8	1	4/11/2007	1/1/2013	MDTA ID KH0620S01
MDTA19BMP0322	1	ON	NO	ACT	20.55	15.75	1	4/11/2007	1/1/2013	MDTA ID KH0626N01
MDTA19BMP0323	1	ON	NO	ACT	6.67	4.24	1	8/1/2006	1/1/2011	MDTA ID KH0629S01
MDTA19BMP0324	1	ON	NO	ACT	8.72	5.14	1	8/1/2006	1/1/2011	MDTA ID KH0630S01
MDTA19BMP0325	1	ON	NO	ACT	14.11	6.08	1	8/1/2006	1/1/2011	MDTA ID KH0633S01
MDTA19BMP0326	1	ON	NO	ACT	8.65	8.22	1	4/30/2008	4/30/2008	MDTA ID KH0636S01
MDTA19BMP0327	1	ON	NO	ACT	7.74	4.91	1	8/1/2006	1/1/2013	MDTA ID KH0637N01
MDTA19BMP0328	1	ON	NO	ACT	7.72	5.21	1	4/30/2008	4/30/2008	MDTA ID KH0637S01
MDTA19BMP0329	1	ON	NO	ACT	10.23	5.83	1	1/1/2014	1/1/2016	MDTA ID KH0637S02
MDTA19BMP0330	1	ON	NO	ACT	9.35	5.31	1	8/1/2006	1/1/2011	MDTA ID KH0639N01
MDTA19BMP0331	1	ON	NO	ACT	1.32	0.44	1	8/1/2006	1/1/2013	MDTA ID KH0640N01
MDTA19BMP0332	1	ON	NO	ACT	25.91	16.91	1	8/1/2006	1/1/2011	MDTA ID KH0642N01
MDTA19BMP0333	1	ON	NO	ACT	20.99	18.25	1	12/7/2006	4/15/2013	MDTA ID KH0649S01
MDTA19BMP0334	1	ON	NO	ACT	7.31	6.56	1	12/7/2006	4/15/2013	MDTA ID KH0652S01
MDTA19BMP0335	1	ON	NO	ACT	22.05	18.48	1	12/7/2006	4/15/2013	MDTA ID KH0655N01
MDTA19BMP0336	1	ON	NO	ACT	6.63	4.99	0	12/7/2006	4/15/2013	MDTA ID KH0658N01
MDTA19BMP0337	1	ON	NO	ACT	9.46	6.6	1	12/7/2006	4/15/2013	MDTA ID KH0663N01
MDTA19BMP0338	1	ON	NO	ACT	27.73	12.15	1	5/30/2011	6/3/2016	MDTA ID KH0667N01
MDTA19BMP0339	1	ON	NO	ACT	16.93	5.86	1	5/30/2011	11/9/2016	MDTA ID KH0668S01
MDTA19BMP0340	1	ON	NO	ACT	16.17	9.94	1	5/30/2011	6/3/2016	MDTA ID KH0669N01
MDTA19BMP0341	1	ON	NO	ACT	15.62	7.91	1	5/30/2011	1/1/2017	MDTA ID KH0671N01
MDTA19BMP0342	1	ON	NO	ACT	5.08	3.71	1	5/30/2011	1/1/2017	MDTA ID KH0672S01
MDTA19BMP0343	1	ON	NO	ACT	33.91	21.78	1	4/1/2007	9/4/2018	MDTA ID KH0677N01
MDTA19BMP0344	1	ON	NO	ACT	13.94	3.99	1	4/1/2007	7/16/2018	MDTA ID KH0682N01
MDTA19BMP0345	1	ON	NO	ACT	23.98	5.49	1	4/1/2007	7/16/2018	MDTA ID KH0684S01
MDTA19BMP0346	1	ON	NO	ACT	1.84	0.86	0.5	7/12/1990	7/12/1990	MDTA ID KH0689N01
MDTA19BMP0347	1	ON	NO	ACT	1.67	0.68	0.57	7/12/1990	7/12/1990	MDTA ID KH0692M01
MDTA19BMP0348	1	ON	NO	ACT	3.45	1.45	0.07	7/12/1990	7/12/1990	MDTA ID KH0693M01
MDTA19BMP0349	1	ON	NO	ACT	2.2	1.75	0	7/12/1990	7/12/1990	MDTA ID KH0696M01
MDTA19BMP0350	1	ON	KH0696S01	ACT	1.58	0.85	1	4/1/2015	12/23/2016	MDTA ID KH0696S01U
MDTA19BMP0351	1	ON	NO	ACT	2.1	0.72	0.74	7/12/1990	7/12/1990	MDTA ID KH0700S01
MDTA19BMP0352	1	ON	KH0705M01	ACT	0.7	0.50	0.82	4/1/2015	3/19/2018	MDTA ID KH0705M01U
MDTA19BMP0353	1	ON	KH0706M01	ACT	1.59	0.96	1	4/1/2015	3/19/2018	MDTA ID KH0706M01U

MDTA19BMP0354	1	ON	KH0706M02	ACT	0	0.00	0	4/1/2015	3/19/2018	MDTA ID KH0706M02U
MDTA19BMP0355	1	ON	KH0709S01	ACT	1.74	0.46	1	4/1/2015	12/23/2016	MDTA ID KH0709S01U
MDTA19BMP0356	1	ON	KH0713M01	ACT	0.73	0.50	0.92	4/1/2015	1/1/2016	MDTA ID KH0713M01U
MDTA19BMP0357	1	ON	NO	ACT	1.01	0.42	1		1/1/2005	MDTA ID KH0713M02
MDTA19BMP0358	1	ON	NO	ACT	1.52	0.54	0.07	7/12/1990	7/12/1990	MDTA ID KH0713N01
MDTA19BMP0359	1	ON	NO	ACT	1.13	0.92	0.67	7/12/1990	7/12/1990	MDTA ID KH0714M01
MDTA19BMP0360	1	ON	NO	ACT	4.79	0.82	0.16	7/12/1990	7/12/1990	MDTA ID KH0714S01
MDTA19BMP0361	1	ON	KH0718S01	ACT	2.3	1.15	0.76	11/16/2015	12/23/2016	MDTA ID KH0718S01U
MDTA19BMP0362	1	ON	NO	ACT	0.8	0.39	0.77	7/12/1990	7/12/1990	MDTA ID KH0720S01
MDTA19BMP0363	1	ON	NO	ACT	2.61	1.08	0.31	7/12/1990	7/12/1990	MDTA ID KH0723S01
MDTA19BMP0364	1	ON	NO	ACT	2.49	1.48	0.5	7/12/1990	7/12/1990	MDTA ID KH0724N01
MDTA19BMP0365	1	ON	NO	ACT	0.44	0.11	1		1/1/2019	MDTA ID KH0733O01
MDTA19BMP0366	1	ON	NO	ACT	9.07	1.32	1.1	7/12/1990	7/12/1990	MDTA ID KH0735S01
MDTA19BMP0367	1	ON	NO	ACT	1.7	1.2	1	2/1/2006	7/31/2008	MDTA ID KH0740O01
MDTA19BMP0368	1	ON	NO	ACT	7.39	0.55	0.5	7/12/1990	7/12/1990	MDTA ID KH0741S01
MDTA19BMP0369	1	ON	NO	ACT	1.99	0.79	0.25	7/12/1990	7/12/1990	MDTA ID KH0742N01
MDTA19BMP0370	1	ON	NO	ACT	3.09	1.66	0.04	12/23/1997	12/23/1997	MDTA ID KH0742O01
MDTA19BMP0371	1	ON	NO	ACT	0.97	0.36	0.48	7/12/1990	7/12/1990	MDTA ID KH0743N01
MDTA19BMP0372	1	ON	NO	ACT	11.64	0.67	0.48	7/12/1990	7/12/1990	MDTA ID KH0743N02
MDTA19BMP0373	1	ON	NO	ACT	0.46	0.29	0.89	7/12/1990	7/12/1990	MDTA ID KH0747S01
MDTA19BMP0374	1	ON	NO	ACT	12.67	1.87	0.75	7/12/1990	7/12/1990	MDTA ID KH0763N01
MDTA19BMP0375	1	ON	NO	ACT	10.19	0.88	1	3/7/2007	3/7/2007	MDTA ID KH0763S01
MDTA19BMP0376	1	ON	NO	ACT	2.81	0.46	0.42	7/12/1990	7/12/1990	MDTA ID KH0764S01
MDTA19BMP0377	1	ON	NO	ACT	1.72	0.94	0.55	7/12/1990	7/12/1990	MDTA ID KH0771N01
MDTA19BMP0378	1	ON	NO	ACT	2.83	0.27	0.42	7/12/1990	7/12/1990	MDTA ID KH0771S01
MDTA19BMP0379	1	ON	NO	ACT	0.93	0.54	1		1/1/2005	MDTA ID KH0773M01
MDTA19BMP0380	1	ON	NO	ACT	0.89	0.66	1		1/1/2005	MDTA ID KH0777M01
MDTA19BMP0381	1	ON	NO	ACT	1.55	1.13	1		1/1/2005	MDTA ID KH0778M01
MDTA19BMP0382	1	ON	NO	ACT	1.4	0.67	1		1/1/2005	MDTA ID KH0786M01
MDTA19BMP0383	1	ON	NO	ACT	0.98	0.64	1		1/1/2005	MDTA ID KH0787S01
MDTA19BMP0384	1	ON	NO	ACT	1.82	1.44	1		1/1/2005	MDTA ID KH0798M01
MDTA19BMP0385	1	ON	NO	ACT	2.02	1.46	1		1/1/2005	MDTA ID KH0800M01
MDTA19BMP0386	1	ON	NO	ACT	2.05	0.64	1	3/5/2013	10/5/2015	MDTA ID KH0800N01
MDTA19BMP0387	1	ON	NO	ACT	1.15	0.50	1.8	3/5/2013	10/5/2015	MDTA ID KH0803S01
MDTA19BMP0388	1	ON	NO	ACT	0.19	0.08	1	8/15/2012	1/1/2013	MDTA ID KH0815F01
MDTA19BMP0389	1	ON	NO	ACT	0.46	0.25	1	8/15/2012	1/1/2013	MDTA ID KH0816F01
MDTA19BMP0390	1	ON	NO	ACT	0.33	0.17	1	8/15/2012	1/1/2013	MDTA ID KH0816F02
MDTA19BMP0391	1	ON	NO	ACT	0.41	0.29	1	8/15/2012	1/1/2013	MDTA ID KH0816F03
MDTA19BMP0392	1	ON	NO	ACT	0.28	0.15	1	8/15/2012	1/1/2013	MDTA ID KH0816F04
MDTA19BMP0393	1	ON	NO	ACT	0.31	0.17	1	8/15/2012	1/1/2013	MDTA ID KH0816F05
MDTA19BMP0394	1	ON	NO	ACT	0.34	0.27	1	8/15/2012	1/1/2013	MDTA ID KH0816F06
MDTA19BMP0395	1	ON	NO	ACT	0.46	0.24	1	8/15/2012	1/1/2013	MDTA ID KH0816F07
MDTA19BMP0396	1	ON	NO	ACT	0.21	0.12	1	8/15/2012	1/1/2013	MDTA ID KH0817F01
MDTA19BMP0397	1	ON	NO	ACT	0.43	0.22	1	8/15/2012	1/1/2013	MDTA ID KH0817F02
MDTA19BMP0398	1	ON	NO	ACT	0.5	0.40	1	8/15/2012	1/1/2013	MDTA ID KH0817F03
MDTA19BMP0399	1	ON	NO	ACT	0.38	0.18	1	8/15/2012	1/1/2013	MDTA ID KH0817F04
MDTA19BMP0400	1	ON	NO	ACT	0.3	0.24	1	8/15/2012	1/1/2013	MDTA ID KH0817F05
MDTA19BMP0401	1	ON	NO	ACT	0.21	0.13	1	8/15/2012	1/1/2013	MDTA ID KH0817F06
MDTA19BMP0402	1	ON	NO	ACT	1.69	0.54	1	12/1/2006	1/1/2007	MDTA ID KH0817S01
MDTA19BMP0403	1	ON	NO	ACT	0.32	0.24	1	8/15/2012	1/1/2013	MDTA ID KH0818F01
MDTA19BMP0404	1	ON	NO	ACT	0.4	0.33	1	8/15/2012	1/1/2013	MDTA ID KH0818F02

MDTA19BMP0405	1	ON	NO	ACT	0.33	0.27	1	8/15/2012	1/1/2013	MDTA ID KH0818F03
MDTA19BMP0406	1	ON	NO	ACT	0.46	0.40	1	8/15/2012	1/1/2013	MDTA ID KH0818F04
MDTA19BMP0407	1	ON	NO	ACT	0.3	0.24	1	8/15/2012	1/1/2013	MDTA ID KH0818F05
MDTA19BMP0408	1	ON	NO	ACT	7.05	6.49	0	11/1/1989	1/1/1990	MDTA ID KH0818O01
MDTA19BMP0409	1	ON	NO	ACT	0.15	0.10	1	8/15/2012	1/1/2013	MDTA ID KH0819F01
MDTA19BMP0410	1	ON	NO	ACT	1.58	0.97	1		1/1/2005	MDTA ID KH0828M01
MDTA19BMP0411	1	ON	NO	ACT	1.38	0.93	1		1/1/2005	MDTA ID KH0830M01
MDTA19BMP0412	1	ON	NO	ACT	1.79	1.1	1		1/1/2005	MDTA ID KH0841S01
MDTA19BMP0413	1	ON	NO	ACT	1.55	1.02	1		1/1/2005	MDTA ID KH0842M01
MDTA19BMP0414	1	ON	NO	ACT	1.81	1.08	0.76	1/13/2014	1/1/2016	MDTA ID KH0843M01
MDTA19BMP0415	1	ON	NO	ACT	11.25	4.57	1	7/1/2001	1/1/2003	MDTA ID KH0845N01
MDTA19BMP0416	1	ON	NO	ACT	11.43	4.01	1	7/1/2001	1/1/2003	MDTA ID KH0847S01
MDTA19BMP0417	1	ON	NO	ACT	2.02	1.3	0.73	1/13/2014	2/25/2017	MDTA ID KH0849M01
MDTA19BMP0418	1	ON	NO	ACT	1.79	1.22	1	1/13/2014	1/1/2016	MDTA ID KH0850M01
MDTA19BMP0419	1	ON	NO	ACT	1.01	0.64	0.85	1/13/2014	1/1/2016	MDTA ID KH0853M01
MDTA19BMP0420	1	ON	NO	ACT	0.59	0.23	1	1/13/2014	5/31/2017	MDTA ID KH0853N01
MDTA19BMP0421	1	ON	NO	ACT	0.56	0.34	0.64	1/13/2014	5/31/2017	MDTA ID KH0854M01
MDTA19BMP0422	1	ON	NO	ACT	1.34	0.91	0.69	1/13/2014	1/1/2016	MDTA ID KH0854M02
MDTA19BMP0423	1	ON	NO	ACT	0.36	0.23	0.56	1/13/2014	5/31/2017	MDTA ID KH0854M03
MDTA19BMP0424	1	ON	NO	ACT	1.5	1.06	0.53	1/13/2014	1/1/2016	MDTA ID KH0855M01
MDTA19BMP0425	1	ON	NO	ACT	1.62	0.97	0.95	1/13/2014	1/1/2018	MDTA ID KH0857M01
MDTA19BMP0426	1	ON	NO	ACT	1.53	1.02	0.93	1/13/2014	5/31/2017	MDTA ID KH0858M01
MDTA19BMP0427	1	ON	NO	ACT	1.41	0.91	1	1/13/2014	6/1/2017	MDTA ID KH0860M01
MDTA19BMP0428	1	ON	NO	ACT	1.89	0.89	0.87	1/13/2014	1/1/2016	MDTA ID KH0862M01
MDTA19BMP0429	1	ON	NO	ACT	1.35	1.09	1		1/1/2005	MDTA ID KH0864M01
MDTA19BMP0430	1	ON	NO	ACT	1.58	0.99	0.54	1/13/2014	1/1/2015	MDTA ID KH0870M01
MDTA19BMP0431	1	ON	NO	ACT	1.69	1.12	1	1/13/2014	1/1/2015	MDTA ID KH0872M01
MDTA19BMP0432	1	ON	NO	ACT	1.87	1.32	0.89	1/13/2014	1/1/2015	MDTA ID KH0874M01
MDTA19BMP0433	1	ON	NO	ACT	1.29	0.84	1	1/13/2014	1/1/2015	MDTA ID KH0875M01
MDTA19BMP0434	1	ON	NO	ACT	1.52	0.92	1	1/13/2014	1/1/2015	MDTA ID KH0877M01
MDTA19BMP0435	1	ON	NO	ACT	1.16	0.71	0.72	1/13/2014	1/1/2015	MDTA ID KH0879M01
MDTA19BMP0436	1	ON	NO	ACT	0.84	0.55	1	1/13/2014	1/1/2015	MDTA ID KH0882M01
MDTA19BMP0437	1	ON	NO	ACT	1.13	0.78	0.57	1/13/2014	1/1/2015	MDTA ID KH0883M01
MDTA19BMP0438	1	ON	NO	ACT	1.68	1.01	0.98	1/13/2014	1/1/2016	MDTA ID KH0886M01
MDTA19BMP0439	1	ON	NO	ACT	0.94	0.6	1	1/13/2014	1/1/2015	MDTA ID KH0888M01
MDTA19BMP0440	1	ON	NO	ACT	0.97	0.64	1	1/13/2014	1/1/2015	MDTA ID KH0890M01
MDTA19BMP0441	1	ON	NO	ACT	0.85	0.58	0.97	1/13/2014	1/1/2015	MDTA ID KH0891M01
MDTA19BMP0442	1	ON	NO	ACT	0.44	0.16	1	1/13/2014	1/1/2015	MDTA ID KH0891S01
MDTA19BMP0443	1	ON	NO	ACT	1.08	0.74	0.59	1/13/2014	1/1/2015	MDTA ID KH0893M01
MDTA19BMP0444	1	ON	NO	ACT	1	0.76	0.86	1/13/2014	1/1/2016	MDTA ID KH0893M02
MDTA19BMP0445	1	ON	NO	ACT	1.76	1.14	0.51	1/13/2014	1/1/2016	MDTA ID KH0895M01
MDTA19BMP0446	1	ON	NO	ACT	1.53	1.16	0.5	1/13/2014	1/1/2015	MDTA ID KH0916M01
MDTA19BMP0447	1	ON	NO	ACT	1.98	1.28	0.6	1/13/2014	1/1/2015	MDTA ID KH0919M01
MDTA19BMP0448	1	ON	NO	ACT	7.58	4.54	1	9/21/1993	9/21/1993	MDTA ID KH0923O01
MDTA19BMP0449	1	ON	NO	ACT	20.25	8.06	1	9/21/1993	9/21/1993	MDTA ID KH0923O02
MDTA19BMP0450	1	ON	NO	ACT	2.15	1.87	1	10/15/2002	10/15/2002	MDTA ID KH0925M01
MDTA19BMP0451	1	ON	NO	ACT	7.85	5.25	1.25	11/27/1991	1/1/1993	MDTA ID KH0926O01
MDTA19BMP0452	1	ON	NO	ACT	14.87	8.69	0.5	9/21/1993	9/21/1993	MDTA ID KH0926O02
MDTA19BMP0453	1	ON	NO	ACT	13.61	7.85	1	9/21/1993	9/21/1993	MDTA ID KH0926O03
MDTA19BMP0454	1	ON	NO	ACT	0.49	0.19	1	3/25/2002	3/25/2002	MDTA ID KH0929N01
MDTA19BMP0455	1	ON	NO	ACT	8.23	1.06	0.5	11/27/1991	1/1/1993	MDTA ID KH0930N01

MDTA19BMP0456	1	ON	NO	ACT	0.7	0.50	0.6	12/1/2012	1/1/2014	MDTA ID KH0933M01
MDTA19BMP0457	1	ON	NO	ACT	0.91	0.71	1	12/1/2012	1/1/2014	MDTA ID KH0934M01
MDTA19BMP0458	1	ON	NO	ACT	16.35	2.96	0	11/27/1991	1/1/1993	MDTA ID KH0934S01
MDTA19BMP0459	1	ON	NO	ACT	0.72	0.45	0.7	12/1/2012	1/1/2014	MDTA ID KH0936M01
MDTA19BMP0460	1	ON	NO	ACT	0.67	0.44	0.75	12/1/2012	1/1/2014	MDTA ID KH0936M02
MDTA19BMP0461	1	ON	NO	ACT	0.62	0.43	1	12/1/2012	1/1/2014	MDTA ID KH0936M03
MDTA19BMP0462	1	ON	NO	ACT	0.73	0.50	0.65	12/1/2012	1/1/2014	MDTA ID KH0939M01
MDTA19BMP0463	1	ON	NO	ACT	0.53	0.37	1	12/1/2012	1/1/2014	MDTA ID KH0939M02
MDTA19BMP0464	1	ON	NO	ACT	0.7	0.50	0.6	12/1/2012	1/1/2014	MDTA ID KH0941M01
MDTA19BMP0465	1	ON	NO	ACT	1.03	0.68	0.5	12/1/2012	1/1/2014	MDTA ID KH0945M01
MDTA19BMP0466	1	ON	NO	ACT	0.94	0.60	0.9	12/1/2012	1/1/2014	MDTA ID KH0947M01
MDTA19BMP0467	1	ON	NO	ACT	0.95	0.60	1	12/1/2012	1/1/2014	MDTA ID KH0947M02
MDTA19BMP0468	1	ON	NO	ACT	0.6	0.48	0.5	12/1/2012	1/1/2014	MDTA ID KH0950M01
MDTA19BMP0469	1	ON	NO	ACT	0.72	0.48	0.8	12/1/2012	1/1/2014	MDTA ID KH0950M02
MDTA19BMP0470	1	ON	NO	ACT	0.22	0.17	1	8/15/2012	1/1/2013	MDTA ID KH0964F01
MDTA19BMP0471	1	ON	NO	ACT	0.21	0.14	1	8/15/2012	1/1/2013	MDTA ID KH0964F02
MDTA19BMP0472	1	ON	NO	ACT	0.23	0.18	1	8/15/2012	1/1/2013	MDTA ID KH0964F03
MDTA19BMP0473	1	ON	NO	ACT	0.23	0.19	1	8/15/2012	1/1/2013	MDTA ID KH0964F04
MDTA19BMP0474	1	ON	NO	ACT	0.21	0.18	1	8/15/2012	1/1/2013	MDTA ID KH0964F05
MDTA19BMP0475	1	ON	NO	ACT	0.19	0.14	1	8/15/2012	1/1/2013	MDTA ID KH0964F06
MDTA19BMP0476	1	ON	NO	ACT	0.2	0.15	1	8/15/2012	1/1/2013	MDTA ID KH0964F07
MDTA19BMP0477	1	ON	NO	ACT	0.21	0.15	1	8/15/2012	1/1/2013	MDTA ID KH0964F08
MDTA19BMP0478	1	ON	NO	ACT	0.19	0.12	1	8/15/2012	1/1/2013	MDTA ID KH0964F09
MDTA19BMP0479	1	ON	NO	ACT	0.32	0.23	1	8/15/2012	1/1/2013	MDTA ID KH0964F10
MDTA19BMP0480	1	ON	NO	ACT	0.18	0.09	1	8/15/2012	1/1/2013	MDTA ID KH0965F01
MDTA19BMP0481	1	ON	NO	ACT	0.21	0.15	1	8/15/2012	1/1/2013	MDTA ID KH0965F02
MDTA19BMP0482	1	ON	NO	ACT	0.23	0.18	1	8/15/2012	1/1/2013	MDTA ID KH0965F03
MDTA19BMP0483	1	ON	NO	ACT	0.23	0.18	1	8/15/2012	1/1/2013	MDTA ID KH0965F04
MDTA19BMP0484	1	ON	NO	ACT	0.2	0.15	1	8/15/2012	1/1/2013	MDTA ID KH0965F05
MDTA19BMP0485	1	ON	NO	ACT	0.38	0.29	1	8/15/2012	1/1/2013	MDTA ID KH0965F06
MDTA19BMP0486	1	ON	NO	ACT	0.22	0.14	1	8/15/2012	1/1/2013	MDTA ID KH0965F07
MDTA19BMP0487	1	ON	NO	ACT	0.23	0.16	1	8/15/2012	1/1/2013	MDTA ID KH0965F08
MDTA19BMP0488	1	ON	NO	ACT	0.43	0.31	1	8/15/2012	1/1/2013	MDTA ID KH0966F01
MDTA19BMP0489	1	ON	NO	ACT	0.17	0.09	1	8/15/2012	1/1/2013	MDTA ID KH0966F02
MDTA19BMP0490	1	ON	NO	ACT	0.23	0.19	1	8/15/2012	1/1/2013	MDTA ID KH0967F01
MDTA19BMP0491	1	ON	NO	ACT	0.16	0.12	1	8/15/2012	1/1/2013	MDTA ID KH0967F02
MDTA19BMP0492	1	ON	NO	ACT	0.42	0.31	1	8/15/2012	1/1/2013	MDTA ID KH0967F03
MDTA19BMP0493	1	ON	NO	ACT	0.14	0.09	1	8/15/2012	1/1/2013	MDTA ID KH0967F04
MDTA19BMP0494	1	ON	NO	ACT	0.45	0.35	1	8/15/2012	1/1/2013	MDTA ID KH0967F05
MDTA19BMP0495	1	ON	NO	ACT	0.33	0.24	1	8/15/2012	1/1/2013	MDTA ID KH0967F06
MDTA19BMP0496	1	ON	NO	ACT	1.41	0.58	1		1/1/2005	MDTA ID KH0970M01
MDTA19BMP0497	1	ON	NO	ACT	0.6	0.34	0.95	12/1/2012	1/1/2015	MDTA ID KH0973M01
MDTA19BMP0498	1	ON	NO	ACT	0.49	0.33	1	12/1/2012	1/1/2015	MDTA ID KH0973M02
MDTA19BMP0499	1	ON	NO	ACT	0.76	0.3	0.9	12/1/2012	1/1/2015	MDTA ID KH0973M03
MDTA19BMP0500	1	ON	NO	ACT	1.04	0.42	1	12/1/2012	1/1/2015	MDTA ID KH0975M01
MDTA19BMP0501	1	ON	NO	ACT	0.81	0.31	1	12/1/2012	1/1/2015	MDTA ID KH0975M02
MDTA19BMP0502	1	ON	NO	ACT	0.91	0.35	1	12/1/2012	1/1/2015	MDTA ID KH0976M01
MDTA19BMP0503	1	ON	NO	ACT	1.01	0.43	0.95	12/1/2012	1/1/2015	MDTA ID KH0976M02
MDTA19BMP0504	1	ON	NO	ACT	0.49	0.16	1	12/1/2012	1/1/2015	MDTA ID KH0979M01
MDTA19BMP0505	1	ON	NO	ACT	1.19	0.49	1	12/1/2012	1/1/2015	MDTA ID KH0979M02
MDTA19BMP0506	1	ON	NO	ACT	0.85	0.41	0.9	12/1/2012	1/1/2015	MDTA ID KH0980M01

MDTA19BMP0507	1	ON	NO	ACT	0.67	0.29	0.95	12/1/2012	1/1/2015	MDTA ID KH0982M01
MDTA19BMP0508	1	ON	NO	ACT	1.44	0.65	1		1/1/2005	MDTA ID KH0983M01
MDTA19BMP0509	1	ON	NO	ACT	1.17	0.48	0.9	12/1/2012	1/1/2014	MDTA ID KH0986M01
MDTA19BMP0510	1	ON	NO	ACT	0.73	0.3	0.9	12/1/2012	1/1/2014	MDTA ID KH0986M02
MDTA19BMP0511	1	ON	NO	ACT	0.78	0.16	0.9	12/1/2012	1/1/2014	MDTA ID KH0986M03
MDTA19BMP0512	1	ON	NO	ACT	0.63	0.22	0.8	12/1/2012	1/1/2014	MDTA ID KH0986M04
MDTA19BMP0513	1	ON	NO	ACT	0.65	0.33	1	12/1/2012	1/1/2014	MDTA ID KH0986M05
MDTA19BMP0514	1	ON	NO	ACT	1.02	0.44	1	12/1/2012	1/1/2014	MDTA ID KH0987M01
MDTA19BMP0515	1	ON	NO	ACT	0.83	0.40	1	12/1/2012	1/1/2014	MDTA ID KH0987M02
MDTA19BMP0516	1	ON	NO	ACT	0.93	0.39	1	12/1/2012	1/1/2014	MDTA ID KH0987M03
MDTA19BMP0517	1	ON	NO	ACT	0.81	0.33	1	12/1/2012	1/1/2014	MDTA ID KH0987M04
MDTA19BMP0518	1	ON	NO	ACT	1.04	0.47	0.85	12/1/2012	1/1/2014	MDTA ID KH0989M01
MDTA19BMP0519	1	ON	NO	ACT	0.91	0.42	0.6	12/1/2012	1/1/2015	MDTA ID KH0989M02
MDTA19BMP0520	1	ON	NO	ACT	0.97	0.58	1	12/1/2012	1/1/2014	MDTA ID KH0991M01
MDTA19BMP0521	1	ON	NO	ACT	1.03	0.58	1		1/1/2005	MDTA ID KH0992M01
MDTA19BMP0522	1	ON	NO	ACT	0.78	0.45	0.6	12/1/2012	1/1/2014	MDTA ID KH0994M01
MDTA19BMP0523	1	ON	NO	ACT	0.8	0.52	1	12/1/2012	1/1/2015	MDTA ID KH0998M02
MDTA19BMP0524	1	ON	NO	ACT	11.61	3.09	0.5	5/13/1997	1/1/2002	MDTA ID KH0998N01
MDTA19BMP0525	1	ON	NO	ACT	28.6	7.28	0.5	5/13/1997	1/1/2002	MDTA ID KH0999S01
MDTA19BMP0526	1	ON	NO	ACT	1.18	0.79	0.9	12/1/2012	1/1/2015	MDTA ID KH1000M01
MDTA19BMP0527	1	ON	NO	ACT	1.05	0.68	0.8	12/1/2012	1/1/2015	MDTA ID KH1002M01
MDTA19BMP0528	1	ON	NO	ACT	0.64	0.41	1	12/1/2012	1/1/2015	MDTA ID KH1004M01
MDTA19BMP0529	1	ON	NO	ACT	0.74	0.51	1	12/1/2012	1/1/2015	MDTA ID KH1004M02
MDTA19BMP0530	1	ON	NO	ACT	0.91	0.65	0.95	12/1/2012	1/1/2015	MDTA ID KH1005M01
MDTA19BMP0531	1	ON	NO	ACT	1.16	0.86	1	12/1/2012	1/1/2015	MDTA ID KH1005M02
MDTA19BMP0532	1	ON	NO	ACT	1.52	0.87	0.5	10/24/2001	10/24/2001	MDTA ID KH1006F01
MDTA19BMP0533	1	ON	NO	ACT	0.17	0.17	0.5	6/30/1993	6/30/1993	MDTA ID KH1007F01
MDTA19BMP0534	1	ON	NO	ACT	0.66	0.45	0.9	12/1/2012	1/1/2015	MDTA ID KH1013M01
MDTA19BMP0535	1	ON	NO	ACT	0.57	0.39	1	12/1/2012	1/1/2015	MDTA ID KH1013M02
MDTA19BMP0536	1	ON	NO	ACT	1.16	0.83	0.5	12/1/2012	1/1/2015	MDTA ID KH1014M01
MDTA19BMP0537	1	ON	NO	ACT	0.85	0.61	0.6	12/1/2012	1/1/2015	MDTA ID KH1019M01
MDTA19BMP0538	1	ON	NO	ACT	0.64	0.44	0.9	12/1/2012	1/1/2015	MDTA ID KH1020M01
MDTA19BMP0539	1	ON	NO	ACT	0.76	0.55	1		1/1/2005	MDTA ID KH1024M01
MDTA19BMP0540	1	ON	NO	ACT	1.32	0.9	0.6	12/1/2012	1/1/2015	MDTA ID KH1027M01
MDTA19BMP0541	1	ON	NO	ACT	0.86	0.59	0.7	12/1/2012	1/1/2015	MDTA ID KH1028M01
MDTA19BMP0542	1	ON	NO	ACT	0.58	0.38	1	12/1/2012	1/1/2015	MDTA ID KH1028M02
MDTA19BMP0543	1	ON	NO	ACT	1.61	1.04	0.7	12/1/2012	1/1/2015	MDTA ID KH1036M01
MDTA19BMP0544	1	ON	NO	ACT	0.68	0.45	0.8	12/1/2012	1/1/2015	MDTA ID KH1036M02
MDTA19BMP0545	1	ON	NO	ACT	2.91	1.89	0.56	12/1/2012	1/1/2015	MDTA ID KH1038M01
MDTA19BMP0546	1	ON	NO	ACT	0.97	0.64	0.7	12/1/2012	1/1/2015	MDTA ID KH1039M01
MDTA19BMP0547	1	ON	NO	ACT	1.73	1.15	0.6	12/1/2012	1/1/2015	MDTA ID KH1039M02
MDTA19BMP0548	1	ON	NO	ACT	1.14	0.76	0.5	12/1/2012	1/1/2015	MDTA ID KH1039M03
MDTA19BMP0549	1	ON	NO	ACT	0.88	0.57	0.7	12/1/2012	1/1/2015	MDTA ID KH1044M01
MDTA19BMP0550	1	ON	NO	ACT	0.74	0.49	0.95	12/1/2012	1/1/2015	MDTA ID KH1044M02
MDTA19BMP0551	1	ON	NO	ACT	1.5	0.9	0.8	12/1/2012	1/1/2015	MDTA ID KH1048M01
MDTA19BMP0552	1	ON	NO	ACT	2.09	1.4	0.6	12/1/2012	1/1/2015	MDTA ID KH1050M01
MDTA19BMP0553	1	ON	NO	ACT	1.03	0.62	1	12/1/2012	1/1/2015	MDTA ID KH1050M02
MDTA19BMP0554	1	ON	NO	ACT	0.92	0.58	1	12/1/2012	1/1/2015	MDTA ID KH1053M01
MDTA19BMP0555	1	ON	NO	ACT	1.1	0.69	1	12/1/2012	1/1/2015	MDTA ID KH1053M02
MDTA19BMP0556	1	ON	NO	ACT	0.72	0.42	1	12/1/2012	1/1/2015	MDTA ID KH1055M01
MDTA19BMP0557	1	ON	NO	ACT	0.63	0.34	1	12/1/2012	1/1/2015	MDTA ID KH1055M02

MDTA19BMP0558	1	ON	NO	ACT	0.8	0.60	1	12/1/2012	1/1/2014	MDTA ID KH1059M01
MDTA19BMP0559	1	ON	NO	ACT	0.45	0.28	1	12/1/2012	1/1/2014	MDTA ID KH1060M01
MDTA19BMP0560	1	ON	NO	ACT	0.95	0.65	1	8/1/2012	1/1/2014	MDTA ID KH1061M01
MDTA19BMP0561	1	ON	NO	ACT	1.09	0.77	0.9	8/1/2012	1/1/2014	MDTA ID KH1061M02
MDTA19BMP0562	1	ON	NO	ACT	0.83	0.58	0.95	8/1/2012	1/1/2014	MDTA ID KH1063M01
MDTA19BMP0563	1	ON	NO	ACT	0.72	0.52	0.8	8/1/2012	1/1/2014	MDTA ID KH1063M02
MDTA19BMP0564	1	ON	NO	ACT	0.59	0.43	0.9	8/1/2012	1/1/2014	MDTA ID KH1064M01
MDTA19BMP0565	1	ON	NO	ACT	0.73	0.53	0.9	8/1/2012	1/1/2014	MDTA ID KH1064M02
MDTA19BMP0566	1	ON	NO	ACT	0.9	0.67	1	12/1/2012	1/1/2014	MDTA ID KH1065M01
MDTA19BMP0567	1	ON	NO	ACT	0.77	0.56	1	12/1/2012	1/1/2014	MDTA ID KH1065M02
MDTA19BMP0568	1	ON	NO	ACT	0.58	0.40	0.95	12/1/2012	1/1/2014	MDTA ID KH1066M01
MDTA19BMP0569	1	ON	NO	ACT	0.64	0.42	0.95	12/1/2012	1/1/2014	MDTA ID KH1067M01
MDTA19BMP0570	1	ON	NO	ACT	0.73	0.41	1	12/1/2012	1/1/2014	MDTA ID KH1070M01
MDTA19BMP0571	1	ON	NO	ACT	0.7	0.43	1	12/1/2012	1/1/2014	MDTA ID KH1070M02
MDTA19BMP0572	1	ON	NO	ACT	1.17	0.79	0.95	12/1/2012	1/1/2014	MDTA ID KH1070M03
MDTA19BMP0573	1	ON	NO	ACT	0.67	0.47	1	12/1/2012	1/1/2014	MDTA ID KH1072M01
MDTA19BMP0574	1	ON	NO	ACT	0.65	0.45	1	12/1/2012	1/1/2014	MDTA ID KH1072M02
MDTA19BMP0575	1	ON	NO	ACT	1.19	0.82	1	12/1/2012	1/1/2014	MDTA ID KH1072M03
MDTA19BMP0576	1	ON	NO	ACT	1.23	0.79	1	12/1/2012	1/1/2014	MDTA ID KH1074M01
MDTA19BMP0577	1	ON	NO	ACT	1.04	0.63	0.95	12/1/2012	1/1/2014	MDTA ID KH1074M02
MDTA19BMP0578	1	ON	NO	ACT	1.13	0.74	1	12/1/2012	1/1/2014	MDTA ID KH1074M03
MDTA19BMP0579	1	ON	NO	ACT	1.01	0.68	1	12/1/2012	1/1/2014	MDTA ID KH1076M01
MDTA19BMP0580	1	ON	NO	ACT	0.76	0.47	1	12/1/2012	1/1/2014	MDTA ID KH1076M02
MDTA19BMP0581	1	ON	NO	ACT	1.21	0.46	1		1/1/2005	MDTA ID KH1077N01
MDTA19BMP0582	1	ON	NO	ACT	0.6	0.43	1	12/1/2012	1/1/2014	MDTA ID KH1078M01
MDTA19BMP0583	1	ON	NO	ACT	0.98	0.71	1	12/1/2012	1/1/2014	MDTA ID KH1078M02
MDTA19BMP0584	1	ON	NO	ACT	1.67	0.63	1		1/1/2005	MDTA ID KH1079N01
MDTA19BMP0585	1	ON	NO	ACT	1.09	0.73	1	8/1/2012	1/1/2014	MDTA ID KH1080M01
MDTA19BMP0586	1	ON	NO	ACT	1	0.68	1	8/1/2012	1/1/2014	MDTA ID KH1080M02
MDTA19BMP0587	1	ON	NO	ACT	1.01	0.77	0.9	8/1/2012	1/1/2014	MDTA ID KH1082M01
MDTA19BMP0588	1	ON	NO	ACT	1.27	0.64	1		1/1/2005	MDTA ID KH1082S01
MDTA19BMP0589	1	ON	NO	ACT	1.22	0.6	1		1/1/2005	MDTA ID KH1085N01
MDTA19BMP0590	1	ON	NO	ACT	0.88	0.48	1		1/1/1989	MDTA ID LB0314E01
MDTA19BMP0591	1	ON	NO	ACT	0.54	0.4	1		1/1/1989	MDTA ID LB0316A01
MDTA19BMP0592	1	ON	NO	ACT	0.71	0.31	1		1/1/1989	MDTA ID LB0316A02
MDTA19BMP0593	1	ON	NO	ACT	0.4	0.26	1	3/14/2003	3/14/2003	MDTA ID LB0317E01
MDTA19BMP0594	1	ON	NO	ACT	0.54	0.33	1	3/14/2003	3/14/2003	MDTA ID LB0317E02
MDTA19BMP0595	1	ON	NO	ACT	0.83	0.61	1	3/14/2003	3/14/2003	MDTA ID LB0318E01
MDTA19BMP0596	1	ON	NO	ACT	0.15	0.13	1	3/14/2003	3/14/2003	MDTA ID LB0319E01
MDTA19BMP0597	1	ON	NO	ACT	1.28	0.96	1	3/14/2003	3/14/2003	MDTA ID LB0319E02
MDTA19BMP0598	1	ON	NO	ACT	4	2.22	0.5	3/26/1997	3/26/1997	MDTA ID LB0319F01
MDTA19BMP0599	1	ON	NO	ACT	3.74	2.43	0.5	3/26/1997	3/26/1997	MDTA ID LB0319F02
MDTA19BMP0600	1	ON	NO	ACT	0.69	0.21	0.5	3/26/1997	3/26/1997	MDTA ID LB0319F03
MDTA19BMP0601	1	ON	NO	ACT	0.27	0.07	0.5	3/26/1997	3/26/1997	MDTA ID LB0319F04
MDTA19BMP0602	1	ON	NO	ACT	0.48	0.26	1	3/14/2003	3/14/2003	MDTA ID LB0320F01
MDTA19BMP0603	1	ON	NO	ACT	0.54	0.30	1	3/14/2003	3/14/2003	MDTA ID LB0320F02
MDTA19BMP0604	1	ON	NO	ACT	0.5	0.25	1		1/1/1989	MDTA ID LB0367M01
MDTA19BMP0605	1	ON	NO	ACT	0.5	0.21	1		1/1/1989	MDTA ID LB0367M02
MDTA19BMP0606	1	ON	NO	ACT	0.42	0.15	1		1/1/1989	MDTA ID LB0368E01
MDTA19BMP0607	1	ON	NO	ACT	0.5	0.28	0.92		1/1/1989	MDTA ID LB0368M01
MDTA19BMP0608	1	ON	NO	ACT	1	0.38	1		1/1/1989	MDTA ID LB0369M01

MDTA19BMP0609	1	ON	NO	ACT	0.57	0.15	1	6/6/2003	6/6/2003	MDTA ID NB0019F01
MDTA19BMP0610	1	ON	NO	ACT	0.06	0.03	1	11/12/2008	1/1/2011	MDTA ID NB0021F01
MDTA19BMP0611	1	ON	NO	ACT	1.09	0.92	1	6/7/2009	6/7/2009	MDTA ID NB0021S01
MDTA19BMP0612	1	ON	NO	ACT	0.24	0.17	0.5	7/1/2002	7/1/2002	MDTA ID PB0000F01
MDTA19BMP0613	1	ON	NO	ACT	0.25	0.17	0.5	7/1/2002	7/1/2002	MDTA ID PB0000F02
MDTA19BMP0614	1	ON	NO	ACT	0.21	0.14	0.5	7/1/2002	7/1/2002	MDTA ID PB0000F03
MDTA19BMP0620	1	ON	NO	ACT	2.44	0.12	1	12/21/2018	1/1/2019	MDTA KH0717A01
MDTA19BMP0621	1	ON	NO	ACT	0.13	0.08	1.8	1/5/2017	1/1/2019	MDTA LB0323F01
MDTA19BMP0622	1	ON	NO	ACT	4.29	1.57	2.6	1/1/2017	1/1/2020	MDTA ID FT0501S01
MDTA19BMP0623	1	ON	NO	ACT	2.28	0.74	1.4	1/1/2017	4/28/2021	MDTA ID HT0118S01

Table B.1.c Reporting Requirements for Alternative BMPs (Sample Input Table)

More specific data related to alternative BMPs is populated in this table.

BMP_ID[1]	PROJECT_DESC	PROJECT_LENGTH	WEIGHT_COLLECTED	TIMES_SWEPT	ACRES_PLANTED	IMP_ACR_ELIM	EQU_IMP_ACR	INSTALL_DATE	IMPL_COMP_YR	GEN_COMMENTS
MDTA19BMP0615	Street Sweeping		674.4	198			187.5		2014	Average of FY19, FY20 and FY21 for all facilities swept
MDTA19BMP0618	Pavement Removal					31.05	23.28		2005	

Note: Several Example BMPs have been incorporated to help display the new structure.

[1] Every BMP Identified in this table should correspond to "BMP" sheet.

Table B.1.c. Reporting Requirements for Alternative Practices

Description: This table is used to collect information specific to Alternative practices.

COLUMN NAME	DATA TYPE	SIZE	MANDATORY	DESCRIPTION
BMP_ID	TEXT	13	M	BMP_ID linking record to BMP_ID in Table B.1.a.
PROJECT_DESC	TEXT	75	M	Description of project
PROJECT_LENGTH	NUMERIC	8	C	Length of stream restoration, shoreline or outfall stabilization in feet; Field is conditional on BMP_TYPE = OUT, SHST, or STRE
ACRES_SWEPT	NUMERIC	6	C	Acres swept for street sweeping (one pass); Field is conditional on BMP_TYPE = MSS or VSS
TIMES_SWEPT	NUMERIC	2	C	Number of times per year area is swept; Fiel is conditional on BMP_TYPE = MSS or VSS
ACRES_PLANTED	NUMERIC	6	C	Acres of trees planted; Field is conditional on BMP_TYPE = FPU or IMPF
IMP_ACR_ELIM	NUMERIC	6	C	Impervious acres removed to pervious land (IMPP); Field is conditional on BMP_TYPE = IMPP
EQU_IMP_ACR	NUMERIC	6	M	Equivalent impervious acres treated by alternative BMP (total acres of credit for the alt BMP)
INSTALL_DATE	DATE	8	C	BMP completion date (MM/DD/YYYY); Field is conditional on BMP_TYPE = OUT, SHST, STRE, SEPC, SEPD, or SEPP
IMPL_COMP_YR	TEXT	4	C	Year (calendar) of completed Project (YYYY); Field is conditional on BMP_TYPE = MSS, VSS, CBC, SDV, IMPF, IMPP, or FPU
GEN_COMMENTS	TEXT	255	C	General comments - optional information

MDE Approved BMP Classifications for Urban BMP Database

BMP Class	BMP Type	Description
ESD Practices		
Alternative Surfaces (A)		
E	AGRE	Green Roof - Extensive
E	AGRI	Green Roof -Intensive
E	APRP	Permeable Pavements
E	ARTF	Reinforced Turf
Nonstructural Techniques (N)		
E	NDRR	Disconnection of Rooftop Runoff
E	NDNR	Disconnection of Non-Rooftop Runoff
E	NSCA	Sheetflow to Conservation Areas
Micro-Scale Practices (M)		
E	MRWH	Rainwater Harvesting
E	MSGW	Submerged Gravel Wetlands
E	MILS	Landscape Infiltration
E	MIBR	Infiltration Berms
E	MIDW	Dry Wells
E	MMBR	Micro-Bioretention
E	MRNG	Rain Gardens
E	MSWG	Grass Swale
E	MSWW	Wet Swale
E	MSWB	Bio-Swale
E	MENF	Enhanced Filters
Structural BMPs		
Ponds (P)		
S	PWED	Extended Detention Structure, Wet
S	PWET	Retention Pond (Wet Pond)
S	PMPS	Multiple Pond System
S	PPKT	Pocket Pond
S	PMED	Micropool Extended Detention Pond
Wetlands (W)		
S	WSHW	Shallow Marsh
S	WEDW	ED - Wetland
S	WPWS	Wet Pond - Wetland
S	WPKT	Pocket Wetland
Infiltration (I)		
S	IBAS	Infiltration Basin
S	ITRN	Infiltration Trench
Filtering Systems (F)		
S	FBIO	Bioretention
S	FSND	Sand Filter
S	FUND	Underground Filter

S	FPER	Perimeter (Sand) Filter
S	FORG	Organic Filter (Peat Filter)
Open Channels (O)		
S	ODSW	Dry Swale
S	OWSW	Wet Swale
Other Practices (X)		
S	XDPD	Detention Structure (Dry Pond)
S	XDED	Extended Detention Structure, Dry
S	XFLD	Flood Management Area
S	COGS	Oil Grit Separator
S	XOTH	Other
MDE Approved Alternative BMP Classificati		
A	MSS	Mechanical Street Sweeping
A	VSS	Regenerative/Vacuum Street Sweeping
A	IMPP	Impervious Surface Elimination (to pervioius)
A	IMPF	Impervious Surface Elimination (to Forest)
A	FPU	Planting Trees or Forestation on Pervious Urban
A	CBC	Catch Basin Cleaning
A	SDV	Storm Drain Vacuuming
A	STRE	Stream Restoration
A	OUT	Outfall Stabilization
A	SPSC	Regenerative Step Pool Conveyance
A	SHST	Shoreline Management
A	SEPP	Septic Pumping
A	SEPD	Septic Denitrification
A	SEPC	Septic Connection to WWTP