

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0266591
APS ID 950909
Authorization ID 1434812

Applicant and Facility Information

Applicant Name	<u>Mondelez Global LLC</u>	Facility Name	<u>Mondelez Global LLC - Carlisle</u>
Applicant Address	<u>597 Alexander Spring Road</u> <u>Carlisle, PA 17013</u>	Facility Address	<u>597 Alexander Spring Road</u> <u>Carlisle, PA 17013</u>
Applicant Contact	<u>Christopher Windbeck</u>	Facility Contact	<u>Mitchell Hebda</u>
Applicant Phone	<u>(717) 218-8741</u>	Facility Phone	<u>(717) 421-1280</u>
Client ID	<u>338444</u>	Site ID	<u>825279</u>
SIC Code	<u>4225</u>	Municipality	<u>South Middleton Township</u>
SIC Description	<u>Trans. & Utilities - General Warehousing And Storage</u>	County	<u>Cumberland</u>
Date Application Received	<u>April 4, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 10, 2023</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES discharge of stormwater associated with industrial activity.</u>		

Summary of Review

This is a renewal application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in South Middleton Township, Cumberland County. See Figures 1 and 2 for Site Location and Site Plan.

The facility's SIC code is 4225 (general warehousing and storage) which requires an NPDES permit. Since the facility discharges to an HQ-CWF surface water, the facility must be covered under a NPDES Individual Permit for Discharges of Stormwater Associated with Industrial Activities.

Facility Description, from application: food product warehousing, product repack, and light industrial trucking. If the facility qualified for a PAG-03, they would fall under Appendix L based on their SIC Code.

An application was received 4/4/2023. The application was deemed complete on 4/10/2023.

The facility has four outfalls that discharge to Letort Spring Run (EV-CWF): Outfalls 001, 002, 003, and 004. Outfall 004 is representative of Outfall 002 and Outfall 003.

The PPC Plan was last updated November 2019.

Part C permit conditions require semi-annual site inspections as well as implementation of BMPs and implementation of the facility PPC Plan. Given the BMPs in place, the discharge is not expected to have any measurable effect on the water quality of the receiving stream. There are no open violations for the client that would warrant withholding the issuance of this permit.

EPA waiver is in effect.

Approve	Deny	Signatures	Date
X		<i>Jacob S. Rakowsky</i> Jacob S Rakowsky, E.I.T. / Project Manager	5/17/2023
X		<i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	5/17/2023

Summary of Review

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>N/A</u>
Latitude	<u>40° 10' 57"</u>	Longitude	<u>-77° 13' 47"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Letort Spring Run (EV, MF)</u>	Stream Code	<u>10261</u>
NHD Com ID	<u>56407101</u>	RMI	<u>6.0</u>
Drainage Area	<u>1.5 sq. mi.*</u>	Yield (cfs/mi ²)	<u></u>
	<small>*Not available – value below suggested range</small>		
Q ₇₋₁₀ Flow (cfs)	<u>suggested range</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>EV, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Co West</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Location	<u>Silver Spring Twp, Cumberland County</u>
PWS RMI	<u>19.1</u>	Distance from Outfall (mi)	<u>~20</u>

Drainage Area: 463,216 SF

% Impervious: 41

Description of Materials / Activities in Drainage Area Exposed to Precipitation:
 Parking lots, grassy areas, buildings.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
 Visual inspections and cleanup when needed; routine inspection of retention basin and outfall.

Classified as No Exposure.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>004</u>	Design Flow (MGD)	<u>N/A</u>
Latitude	<u>40° 10' 55"</u>	Longitude	<u>-77° 13' 39"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Letort Spring Run (EV, MF)</u>	Stream Code	<u>10261</u>
NHD Com ID	<u>56407101</u>	RMI	<u>6.0</u>
Drainage Area	<u>1.5 sq. mi.*</u>	Yield (cfs/mi ²)	<u></u>
	<u>*Not available – value below suggested range</u>		
Q ₇₋₁₀ Flow (cfs)	<u>suggested range</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>EV, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Co West</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Location	<u>Silver Spring Twp, Cumberland County</u>
PWS RMI	<u>19.1</u>	Distance from Outfall (mi)	<u>~20</u>

Drainage Area: 1,464,030 SF

% Impervious: 66

Description of Materials / Activities in Drainage Area Exposed to Precipitation:
 Refueling activities, parking lots, grassy areas, buildings, diesel AST

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
 Visual inspections and cleanup when needed; covered trash compactor; fueling activities are monitored during transfer, routine inspection of retention basin and outfall.

Representative of Outfall 002 and Outfall 003.

Compliance History	
Summary of DMRs:	A summary of DMR and application sampling can be found in Table 1 below.
Summary of Inspections:	The facility was last inspected on 3/9/2021. No violations were noted.

Other Comments: There are currently no open violations for the client that should affect issuance of the permit.

Table 1. 2020-2023 DMR and Application Results (mg/L)

Monitoring Period	Outfall 001							Outfall 004						
	BOD5	COD	Oil and Grease	pH (S.U.)	TSS	TN	TP	BOD5	COD	Oil and Grease	pH (S.U.)	TSS	TN	TP
2020 1 st Half	1.5	<25	4.0	7.0	<1.5	-	-	2.4	<25	2.6	7.5	8.2	-	-
2020 2 nd Half	<1.5	<25	2.2	7.0	<1.5	-	-	<1.5	<25	2.1	7.7	12	-	-
2021 1 st Half	2.1	<25	2.2	6.4	5.6	-	-	3.6	34	2.7	7.5	15	-	-
2021 2 nd Half	<2.0	<25	2.1	8.3	12	-	-	<1.5	69	3.5	9.1	43	-	-
2022 1 st Half	13	92	2.7	6.7	60	-	-	19	140	2.1	7.3	95	-	-
2022 2 nd Half	3.4	<25	2.4	6.8	3.7	-	-	3.0	35	3.9	7.6	14	-	-
2023 Application	-	-	-	-	-	1.2	ND	-	-	-	-	-	1.5	ND
Max.	3.9	36.2	2.6	7.0	14.1	1.2	ND	5.2	54.7	2.8	7.8	31.2	1.5	ND
Avg.	13	92	4	8.3	60	1.2	ND	19	140	3.9	9.1	95	1.5	ND

Proposed Effluent Limitations and Monitoring Requirements

Based on the facility's **SIC Code of 4225**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix L**, which would include the following monitoring requirements:

Table 2. PAG-03, Appendix L Requirements

Parameter	Monitoring Requirements ^{(1),(2)}		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L) ⁽³⁾	1 / 6 months	Calculation	XXX
Total Phosphorus (mg/L)	1 / 6 months	Grab	XXX
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Oil and Grease	1 / 6 months	Grab	30

Footnotes

- (1) In accordance with Part C V.C, the permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.
- (2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.
- (3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

The previous permit also included pH, BOD₅, and COD. These parameters will be included in addition to the parameters listed in Appendix L of the PAG03.

Table 3. Proposed Monitoring Requirements for Outfall 001 and Outfall 004

Parameter	Effluent Limitations				Monitoring Requirements	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	Report	XXX	1/6 months	Grab
pH (S.U)	XXX	XXX	Report	XXX	1/6 months	Grab
BOD ₅	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	Report	XXX	1/6 months	Grab

Benchmarks for TSS of 100 mg/L, Oil and Grease of 30 mg/L, pH of 9.0 S.U., BOD₅ of 30 mg/L, and COD of 120 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).

The BMPs from Appendix L are included.

The requirement to submit an Annual Report is included.

The requirement for routine inspections on a semiannual basis is included.

Antidegradation (93.4):

The applicant is not proposing a new discharge to a High Quality (HQ) or Exceptional Value (EV) water, so Module 1 (Anti Degradation Module) was not needed.

The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. Best Management Practices will ensure that the existing instream uses are protected. No High Quality or Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:
Letort Spring Run (EV, MF)

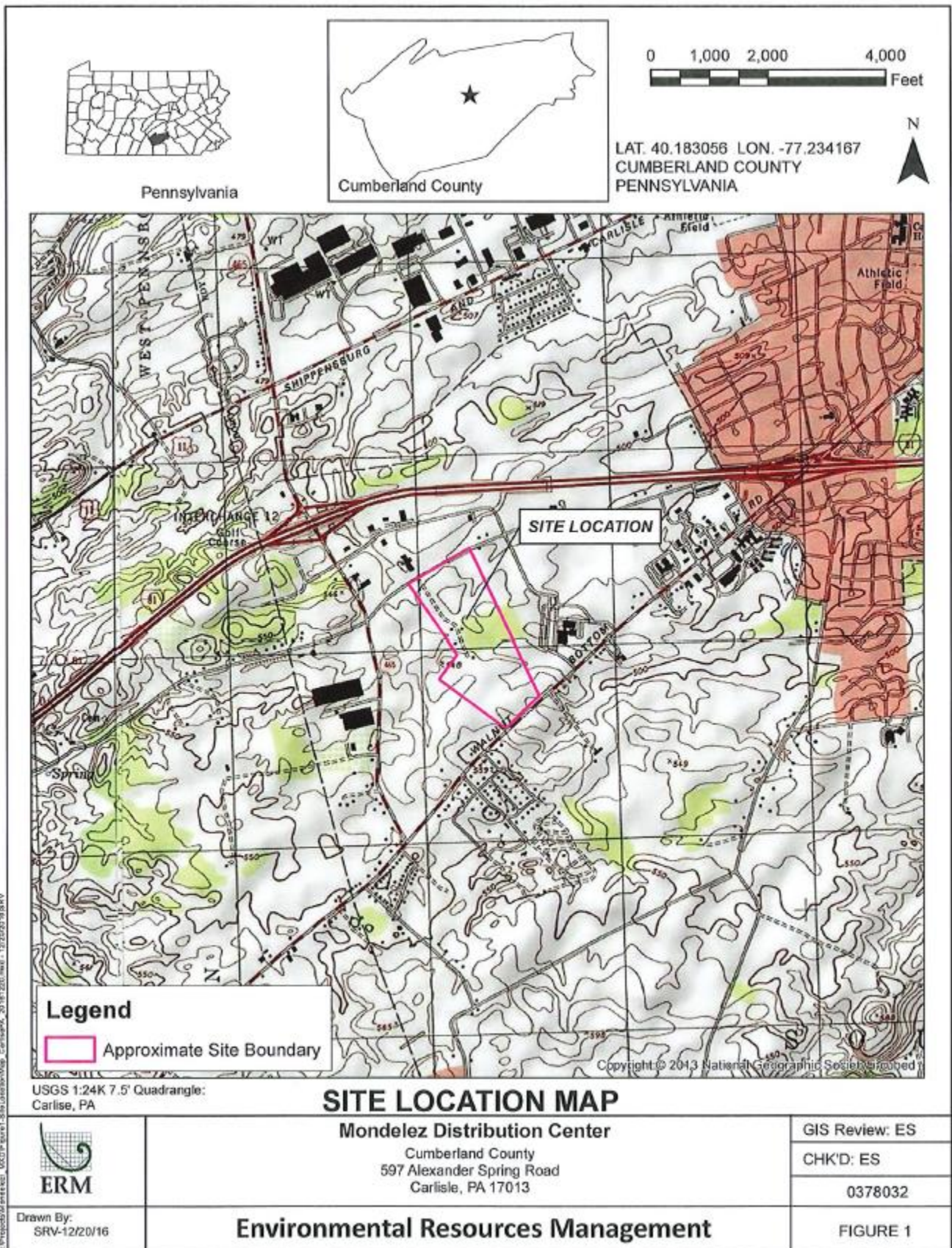


Figure 1. Site Location Map

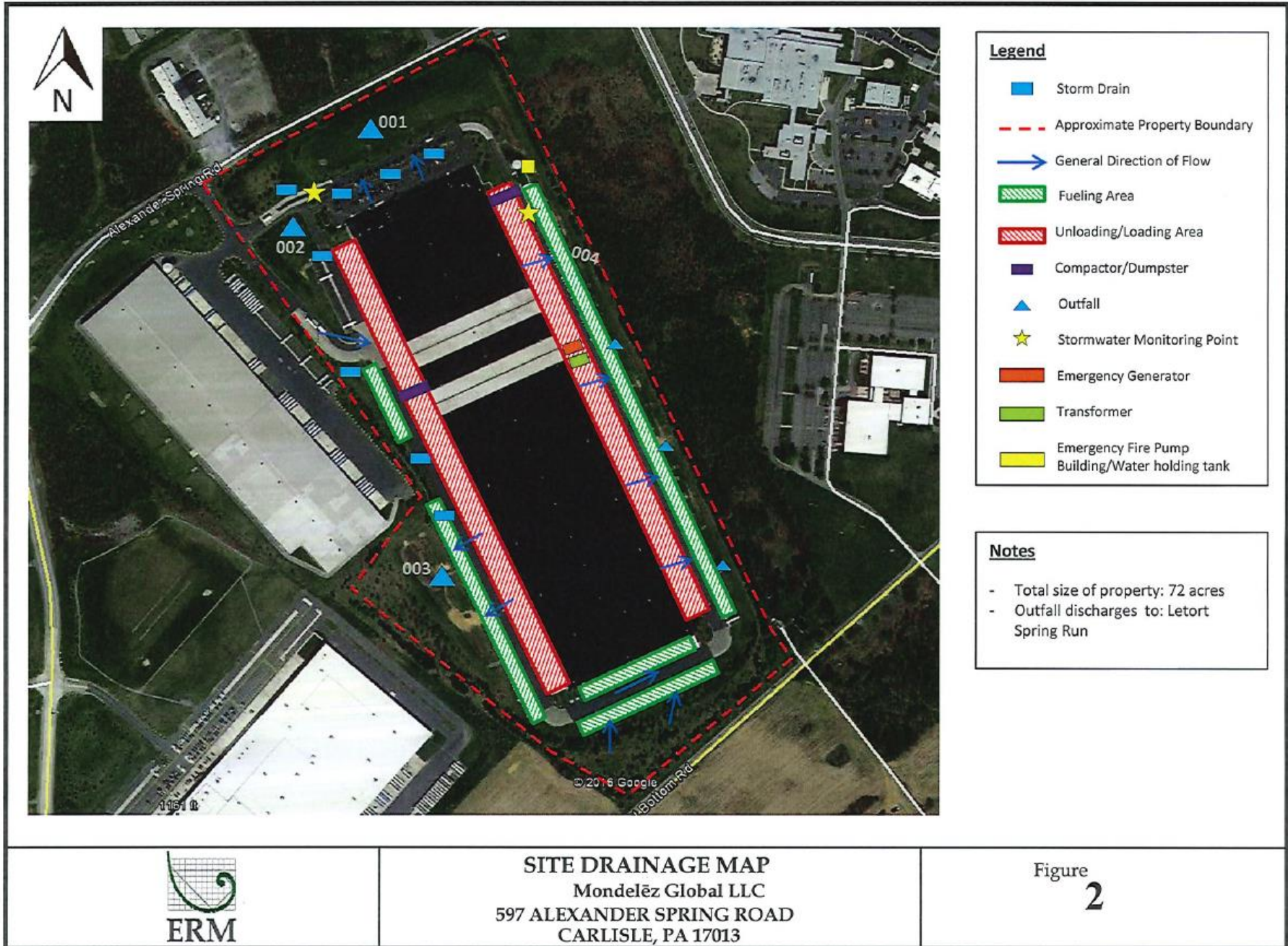


Figure 2. Site Plan