Year 1 Annual Report

New Hampshire Small MS4 General Permit Reporting Period: May 1, 2018-June 30, 2019

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed.

Part I: Contact Information

Name of Municipality or Organ	ization. Town of wind	nam, m		
EPA NPDES Permit Number: N	HR041035			
Primary MS4 Program Manag	ger Contact Informat	ion		
Name: David Sullivan		Title: To	own Administr	rator
Street Address Line 1: 4 North I	Lowell Road			
Street Address Line 2: na				
City: Windham	State: NH	Zip Code	e: 03087	
Email: townadmin@windhamnl	n.gov	Phone	Number: (603)	432-7732
Fax Number: na				
tormwater Management Prog				
SWMP Location (web address):	https://www.windhar Management-Plan			/View/6385/Stormwater-
	1 20 2010			
Date SWMP was Last Updated:	Jun 28, 2019			

Part II: Self Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4.

<u>Impairme</u>	nt(s)			
	⊠ Bacteria/Pathogens		☐ Nitrogen	
	Solids/ Oil/ Grease (Hye	drocarbons)/ Metals		
TMDL(s)				
	⊠ Bacteria/ Pathogens		☐ Lake and Pone	d Phosphorus
			Clear	Impairments and TMDLs
you have co unchecked.	off all requirements below to completed that permit require Additional information will to	ment fully. If you have	not completed a requ	
Year 1 Req				
2 42 10 10 10 10	elop and begin public educat			parged to the MSA in the
	itify and develop inventory of 5 years	an known locations w	mere 350s nave disci	larged to the M54 in the
	C The SSO inventory is	attached to the email s	submission	
	C The SSO inventory ca	in be found at the follo	wing website:	
⊠ Dev	elop written IDDE plan inclu	ding a procedure for so	creening and sampling	outfalls
	E ordinance complete			
⊠ Iden	tify each outfall and intercon rity rank each catchment for i	nection discharging fro investigation	om MS4, classify into	the relevant category, and
	← The priority ranking of			
	• The priority ranking of	of outfalls/interconnect	ions can be found at the	ne following website:
	https://www.windhan	nnh.gov/DocumentCen	ter/View/6384/IDDE-	Plan
	struction/ Erosion and Sedim			
	elop written procedures for s sures	ite inspections and enfo	orcement of sediment	and erosion control
⊠ Dev	elop written procedures for s	ite plan review		
	p a log of catch basins cleane			
⊠ Con	aplete inspection of all storm	water treatment structu	res	
Annual Red	quirements			
Zimuai Rec	danomono.		1: 1	CIVIAD

- Manual opportunity for public participation in review and implementation of SWMP
- ⊠ Keep records relating to the permit available for 5 years and make available to the public

	operly store and dispose of catch basin cleanings and street sweepings so they do not discharge to eiving waters
⊠ An	nual training to employees involved in IDDE program
⊠ All	curbed roadways have been swept a minimum of one time per year
Bacteria/	Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)
Annual Re	<u>equirements</u>
	Education and Outreach*
$\boxtimes \frac{An}{ord}$	nual message encouraging the proper management of pet waste, including noting any existing inances where appropriate
	mittee or its agents disseminate educational material to dog owners at the time of issuance or ewal of dog license, or other appropriate time
	wide information to owners of septic systems about proper maintenance in any catchment that charges to a water body impaired for bacteria
	lic education messages can be combined with other public education requirements as applicable (see dix H and F for more information)
Chloride	Impairment
	equirements equirements
	Education and Outreach
☐ ind	lude an annual message in November/ December to private road salt applicators and commercial ustrial site owners on the proper storage and application rates of winter deicing material, along with steps that can be taken to minimize salt use and protect local waterbodies
Phosphor	us Impairment
Annual Re	equirements equirements
	c Education and Outreach*
gra	tribute an annual message in the spring (April/May) that encourages the proper use and disposal of ss clippings and encourages the proper use of slow-release and phosphorus-free fertilizers
\boxtimes $\frac{\text{Dis}}{\text{was}}$	tribute an annual message in the summer (June/July) encouraging the proper management of pet ste, including noting any existing ordinances where appropriate
	tribute an annual message in the fall (August/September/October) encouraging the proper disposal eaf litter
	ic education messages can be combined with other public education requirements as applicable (see $dix\ H$ and $\ F$ for more information)
Good	Housekeeping and Pollution Prevention for Permittee Owned Operations
_ Inc	rease street sweeping frequency of all municipal owned streets and parking lots subject to Permit 2.3.7.1.d.iii to a minimum of two times per year (spring and fall)

Town of Windham, NH

Potential structural BMPs

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Any structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated
area by the permittee or its agents shall be tracked and the permittee shall estimate the phosphorus
removal by the BMP consistent with Attachment 1 to Appendix H. Document the BMP type, total area
treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in
mass per year by the BMP in each each annual report

Solids, Oil and Grease (Hydrocarbons), or Metals Impairments

Annual Requirements

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

☐ Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads

Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50

☑ percent full; Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings

Chloride TMDL

Complete a Chloride Reduction Plan that includes specific actions designated to achieve chloride reduction on municipal roads and facilities, and on private facilities that drain to the MS4 or complete an Alternative Chloride Reduction Plan

Use the box below to input additional details on any unchecked boxes above or any additional information you would like to share as part of your self assessment:

Year One Requirements:

SSO Box - The Town has no Municipal Sanitary Sewage so therefore the box is left blank

IDDE ORDINANCE Box - the Town adopted a Stormwater Management Ordinance several years ago that gives it the authority to address IDDE's and ensure correction and compliance. We are looking at either amending the current Ordinance or proposing a new Ordinance in the future.

CONSTRUCTION / EROSION AND SEDIMENT CONTROL (ESC) ORDINANCE - an ordinance was approved by the Planning Board effective September 4, 2019

WRITTEN PROCEDURES FOR SITE INVESTIGATIONS AND ENFORCEMENT OF SEDIMENT AND EROSION CONTOL MEASURES - approved by the Planning Board as part of the Ordinance approved above effective September 4, 2019

BACTERIA / PATHOGENS -

Permittee disseminate educational material to dog owners at time or issuance or renewal of licenses - Town distributed annual message to pet owners during our 2019 Annual Town Meeting in March as well as handled out pamphlets at our Transfer Station and at our local veterinarian offices. We plan to hand out these pamphlets from our Town Clerk office at time of license renewals in the future.

SEPTIC SYSTEM NOTICES - Flyers were not sent out during this reporting period. Town anticipates doing so in the fall of 2019

CHLORIDE IMPAIRMENT - to be completed in Nov / Dec 2019

PHOSPHEROUS IMPAIRMENT -

LEAF LITTER - Pamphlets will be distributed at our Transfer Station this Fall 2019

GOOD HOUSEKEEPING - INCREASE STREET SWEEPING FREQUENCY - Not applicable during this reporting period - no known target areas

POTENTIAL STRUCTURAL BMPs - Not applicable during this reporting period

SOLIDS, OILS, GREASES - INCREASE STREET SWEEPING - Not applicable during this reporting period - no known target areas

Part III: Receiving Waters/Impaired Waters/TMDL

Have you massubmitted?	de any cha	inges to your lists of receiving waters, outfalls, or impairments since the NOI was
	Yes 🗌	No ⊠
If yes, descri	be below,	including any relevant impairments or TMDLs:

Town of Windham, NH

Part IV: Minimum Control Measures

MCM1: Public Education

Please fill out all of the metrics below. If applicable, include in the description who completed the task if completed by a third party.

Number of educational messages completed during the reporting period: 5									
Below, report on the educational messages completed during the first year. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.									
BMP: DO YOUR PART - BE SEPTIC SMART									
Message Description and Distribution Method:									
DO YOUR PART - BE SEPTIC SMART - a simple guide to the proper care and maintenance of your septic system. It was handed out as well as put on the Stormwater page of the Town Website. The brochure can be viewed at the following website link:									
https://www.windhamnh.gov/DocumentCenter/View/6265/Septic_Smart_Flyer_Windham									
Targeted Audience: Residents									
Responsible Department/Parties: Community Development Department Staff and Transfer Station Staff									
Measurable Goal(s):									
Handed out approximately 500 pamphlets at the Town Transfer Station to residents as well as additional ones to those attending our annual Town Meeting in March 2019. Also pamphlet was posted on the Stormwater page on the Town's Website.									
Message Date(s): March 2019 as well as April 2019									
Message Completed for: Appendix F Requirements ⊠ Appendix H Requirements ⊠									
Was this message different than what was proposed in your NOI? Yes ☐ No ☒									
If yes, describe why the change was made:									
BMP:WHAT'S IN YOUR WATER									
Message Description and Distribution Method:									
WHATS IN YOUR WATER - Pamphlet on how to properly test your water									
It was handed out as well as put on the Stormwater page of the Town Website. The brochure can be viewed at the following website link:									
https://www.windhamnh.gov/DocumentCenter/View/6271/Well_Water_Flyer_Windham									
Targeted Audience: Residential									

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BMP:GR	EEN GI	RASS C	LEAR	WA	TER

Message Description and Distribution Method:
GREEN GRASS CLEAR WATER - an environmentally lawn care pamphlet - It was handed out and posted on the Town Website at:
http://www.windhamnh.gov/DocumentCenter/View/6409/Green-Grass-Clean-Water-Flyer
Targeted Audience: Residential
Responsible Department/Parties: Community Development Staff and Transfer Station Staff
Measurable Goal(s):
Handled out approximately 500 pamphlets at the Town Transfer Station to residents as well as additional ones to those attending our annual Town Meeting in March 2019. It was also posted on the Town website but after the reporting period.
Message Date(s): March 2019 and April 2019
Message Completed for: Appendix F Requirements ⊠ Appendix H Requirements ⊠ Was this message different than what was proposed in your NOI? Yes □ No ⊠ If yes, describe why the change was made:
BMP: GREEN GRASS CLEAR WATER Message Description and Distribution Method:
GREEN GRASS CLEAR WATER - an environmentally lawn care pamphlet - It was handed out and posted on the Town Website at:
http://www.windhamnh.gov/DocumentCenter/View/6409/Green-Grass-Clean-Water-Flyer
Targeted Audience: Businesses
Responsible Department/Parties: Community Development Staff
Measurable Goal(s):
Staff visited the five (5) landscaping companies located in town and provided information on the Town's Stormwater Program, including distributing the Green Grass pamphlet.
Message Date(s): April 2019 and May 2019
Message Completed for: Appendix F Requirements ⊠ Appendix H Requirements ⊠
Was this message different than what was proposed in your NOI? Yes ☐ No ☒

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If yes, describe why the change was made:	
Add an Educational Message	
MCM2: Public Participation	
Describe the opportunity provided for public involvement in the developmed Program (SWMP) during the reporting period:	ent of the Stormwater Management
Staff discussed the development of the SWMP at several Board of Selectmonublic and are cable-casted on local TV.	en meetings which are open to the
In addition we maintain a town website page on Stormwater which urges re our meeting minutes as well as documents related to the SWMP and other S	
The webpage link is at https://www.windhamnh.gov/450/Stormwater-Mana	gement
Was this opportunity different than what was proposed in your NOI? Yes	□ No ⊠
Describe any other public involvement or participation opportunities condu	cted during the reporting period:
Along with discussions at Board of Selectmen's meetings, staff held 17 com Stormwater. Copies of the minutes from such meetings can be found at:	imittee meetings to discuss
https://www.windhamnh.gov/AgendaCenter/Stormwater-Management-Con	nmittee-25
Additionally staff met with the Windham Garden Club and presented a program on March 21, 2019	gram on the Town's Stormwater
MCM3: Illicit Discharge Detection and Elimin	nation (IDDE)
Sanitary Sewer Overflows (SSOs)	
Below, report on the number of SSOs identified in the MS4 system and remo	oved during this reporting period.
Number of SSOs identified: 0	
Number of SSOs removed: 0	
Below, report on the total number of SSOs identified in the MS4 system and report SSOs identified since 2013.	removed to date. At a minimum,
Total number of SSOs identified: 0	

Total number of SSOs removed	4.0	

MICA	C.		NA	_		nina
W134	2	vstem	IVI	a	D	PHILE

Describe the status of your MS4 map, including any progress made during the reporting period:

The MS4 map was updated to reflect the current boundaries of the MS4 within the Town. The current MS4 area can be found on the town website at:

https://www.windhamnh.gov/DocumentCenter/View/6406/Automatically-Designated-MS4-Areas

Additionally all known outfalls where mapped and thirty-seven (37) catchment areas were identified throughout the town and mapped. The catchment area map can be found on the town website at:

https://www.windhamnh.gov/DocumentCenter/View/6407/Catchment-Area-Map

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses.

(The outfall	screening	data	is attached	to	the	email	submission
•	THE CHILL	Bereening	citicu	10 citterenties	-			Describble

0	The outfall	screening	data can	be found	at the	following	website:
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The Town had not begun monitoring outfalls during this reporting period

Below, report on the number of outfalls/interconnections screened during this reporting period.

Number of outfalls screened: 0

Below, report on the percent of total outfalls/interconnections screened to date.

Percent of total outfalls screened: 0

Catchment Investigations

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following website:

No catchment investigation have begun during this reporting round

Below, report on the number of catchment investigations completed during this reporting period.

Number of catchment investigations completed this reporting period: 0

Below, report on the percent of catchments investigated to date.

Percent of total catchments investigated: 0

rity reg	garding	the catchment investigations below:
		g work conducted over this reporting
		on of the discharge; method of discovery; nt OR planned corrective measures and
or en	jorceme	ni OK piannea corrective measures and
is atta	ached to	the email submission
		at the following website:
tified	and rem	oved, along with the volume of sewage
: 5		
5		
: 430		Gallons
		ective date of the permit.
oved:	5	
ity reg	garding i	llicit discharges identified, removed, or
cond	ucted du	iring the reporting period:
ensu et 17 t	re the er imes du	ee members on the development of the imployees understood their responsibilities ring this reporting period - during these formwater Program.
eeting	gs of the	Nashua-Manchester Regional Stormwater
	ment a arce; a or en a is atta a can b attified a since a tified: a can b attified: a can b attified attified attified attified: a can b attified attified attified attified attified attified: a can b attified a	ment describing arce; descripting or enforcement is attached to example and remulation in the control of the co

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MCM4: Construction Site Stormwater Runoff Control

Below, report on the	construction site	plan reviews,	inspections,	and enforcement	actions con	mpleted durir	ng this
reporting period.							

Number of site plan reviews completed: 22

Number of inspections completed: 210

Number of enforcement actions taken: 10

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment

Ordinance Development

Describe the status of the post-construction ordinance required to be complete in year 2 of the permit term:

THE DEVELOPMENT OF THIS ORDINANCE HAD NOT BEEN STARTED DURING THIS REPORTING PERIOD

As-built Drawings

Describe the status of the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites required to be complete in year 2 of the permit term:

THE TOWN HAS BEGUN RECEIVING AS-BUILT DRAWING

Street Design and Parking Lots Report

Describe the status of the street design and parking lots assessment due in year 4 of the permit term, including any planned or completed changes to local regulations and guidelines:

NO ACTION HAS BEEN TAKEN ON THIS MEASURE DURING THE REPORTING PERIOD

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Green Infrastructure Report

Describe the status of the green infrastructure report due in year 4 of the permit term, including the findings and progress towards making the practice allowable:

THE DEVELOPMENT OF THIS HAS NOT BEEN STARTED DURING THIS REPORTING PERIOD

Retrofit Properties Inventory

Describe the status of the inventory, due in year 4 of the permit term, of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

THE DEVELOPMENT OF THIS HAS NOT BEEN STARTED DURING THIS REPORTING PERIOD

MCM6: Good Housekeeping

Catch Basin Cleaning

Describe the status of the catch basin cleaning optimization plan:

The Town continues to clean its catch basins on an annual basis such that every catch basin is cleaned at least of

If complete, attach the catch basin cleaning optimization plan or the schedule to gather information to develop the optimization plan:

C The catch basin cleaning optimization plan or schedule is attached to the email submission

+

The catch basin cleaning optimization plan or schedule can be found at the following website:

NOT APPLICABLE DURING THIS REPORTING PERIOD

Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins during this reporting period.

Number of catch basins inspected: 900

Number of catch basins cleaned: 819

Total volume or mass of material removed from all catch basins: 150 yards [UNITS]

Below, report on the total number of catch basins in the MS4 system, if known.

Total number of catch basins: 1250+/-

TA	1		7 1	
If a	mml	inn	hI	0.
11 4	DDU	cu	ou	C.
./				

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

NOT APPLICABLE			
NOTATTEICABLE			

Street Sweeping

Describe the status of the written procedures for sweeping streets and municipal-owned lots:

The Town has a written procedure for sweeping streets and lots - this document can found on the town website at:

https://www.windhamnh.gov/DocumentCenter/View/6410/Street-Sweeping-Procedure

Report on street sweeping completed during the reporting period using one of the three metrics below.

Number of miles cleaned: 100	
C Volume of material removed:	[UNITS]
C Weight of material removed:	[UNITS]

Winter Road Maintenance

Describe the status of the written procedures for winter road maintenance including the storage of salt and sand:

The Town has adopted a Winter Operations Policy: Snow and Ice Removal Procedures which can be found on the Town website at:

https://www.windhamnh.gov/DocumentCenter/View/612

Inventory of Permittee-Owned Properties

Describe the status of the inventory, due in year 2 of the permit term, of permittee-owned properties, including parks and open spaces, buildings and facilities, and vehicles and equipment, and include any updates:

NOT STARTED AS OF THIS REPORTING PERIOD

O&M Procedures for Parks and Open Spaces, Buildings and Facilities, and Vehicles and Equipment

Describe the status of the operation and maintenance procedures, due in year 2 of the permit term, of permittee-owned properties (parks and open spaces, buildings and facilities, vehicles and equipment) and include maintenance activities associated with each:

NOT STARTED AS OF THIS REPORTING PERIOD

Town of Windham, NH	Page 16
Stormwater Pollution Prevention Plan (SWPPP)	
Describe the status of any SWPPP, due in year 2 of the permit term, for princluding maintenance garages, public works yards, transfer stations, and pollutants are exposed to stormwater:	
The Town has completed an updated SWPPP for its Transfer Station.	
Below, report on the number of site inspections for facilities that require reporting period.	a SWPPP completed during this
Number of site inspections completed: 2	
Describe any corrective actions taken at a facility with a SWPPP: None needed	
Notic needed	
O&M Procedures for Stormwater Treatment Structures	
Describe the status of the written procedure for stormwater treatment stru	acture maintenance:
While actions are taken to review structures, particularly during cleaning procedure has not been completed as of this reporting period. In the field cement work, broken or missing bricks or barrel blocks; we also review t illicit discharges through visual inspection, and any visible pipe blockage	we inspect basins for damaged he condition of pipe(s), look for any
Additional Information	
Monitoring or Study Results Results from any other stormwater or receiving water quality monitoring reporting period not otherwise mentioned above, where the data is being permit effectiveness must be attached.	
Not applicable	
 The results from additional reports or studies are attached. The results from additional reports or studies can be for 	

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:
Additional Information
Optional: Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above:

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Activities Planned for Next Reporting Period

Town of Windham, NH

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 2 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree 🛛

- Complete system mapping Phase I
- Begin investigations of catchments associated with Problem Outfalls
- Develop or modify an ordinance or other regulatory mechanism for post-construction stormwater runoff from new development and redevelopment
- Establish and implement written procedures to require the submission of as-built drawings no later than
 two years after the completion of construction projects
- Develop, if not already developed, written operations and maintenance procedures
- Develop an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; review annually and update as necessary
- Establish a written program detailing the activities and procedures the permittee will implement so that the MS4 infrastructure is maintained in a timely manner
- Develop and implement a written SWPPP for maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater
- Enclose or cover storage piles of salt or piles containing salt used for deicing or other purposes
- Develop, if not already developed, written procedures for sweeping streets and municipal-owned lots
- Develop, if not already developed, written procedures for winter road maintenance including storage of salt and sand
- Develop, if not already developed, a schedule for catch basin cleaning
- Develop, if not already developed, a written procedure for stormwater treatment structure maintenance
- Develop a written catchment investigation procedure (18 months)

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- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4 in the last 5 years
- Continue public education and outreach program
- Implement procedures for sweeping streets and municipal-owned lots
- Implement procedures for winter road maintenance
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all uncurbed streets at least annually

Part V: Certification of Small MS4 Annual Report 2019

40 CFR 144.32(d) Certification

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, I certify that 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.

Name:	David Sullivan	Title: Town Administrator	
Signature	[Signatory may be a duly authorized representative]	Date: 09/26/19	