Permit Number: _	
(to be provided by	City of Wilmington)
SCM Drainage Ba	asin #:

Level Spreader -Vegetated Filter Strip, Restored Riparian Buffer Operation and Maintenance Agreement

I will keep a maintenance record on this SCM. This maintenance record will be kept in a log in a known set location. Any deficient SCM elements noted in the inspection will be corrected, repaired or replaced **immediately**. These deficiencies can affect the integrity of structures, safety of the public, and the pollutant removal efficiency of the SCM(s).

Important maintenance procedures:

- Immediately after the filter strip is established, any newly planted vegetation will be watered twice weekly if needed until the plants become established (commonly six weeks).
- Once a year, the filter strip will be reseeded to maintain a dense growth of vegetation
- Stable groundcover will be maintained in the drainage area to reduce the sediment load to the vegetation.
- Two to three times a year, grass filter strips will be mowed and the clippings harvested to promote the growth of thick vegetation with optimum pollutant removal efficiency. Turf grass should not be cut shorter than 3 to 5 inches and may be allowed to grow as tall as 12 inches depending on aesthetic requirements (NIPC, 1993). Forested filter strips do not require this type of maintenance.
- Once a year, the soil will be aerated if necessary.
- Once a year, soil pH will be tested and lime will be added if necessary.

After the filter strip is established, it will be inspected **quarterly and within 24 hours after every storm event greater than 1.5 inches**. Records of operation and maintenance will be kept in a known set location and will be available upon request.

Inspection activities shall be performed as follows. Any problems that are found shall be repaired immediately.

SCM element:	Potential problem:	How to remediate the problem:
The entire SCM	Trash/debris is present.	Remove the trash/debris.
The perimeter of the	Areas of bare soil and/or	Regrade the soil if necessary, to
SCM	erosive gullies have formed.	remove the gull and then plant a
		ground cover and water until it is
		established. Provide lime and a one-
		time fertilizer application.
	Vegetation is too short or too	Maintain vegetation at a height of
	long.	approximately six inches.
The flow splitter device	The flow splitter device is	Unclog the conveyance and dispose
(if applicable)	clogged.	of any sediment off-site.
	The flow splitter device is	Make any necessary repairs or
	damaged.	replace if damage is too large for
	_	repair.

SCM element:	Potential problem:	How to remediate the problem:
The swale and the level	The swale is clogged with	Remove the sediment and dispose
lip	sediment.	of it off-site.
	The level lip is cracked,	Repair or replace lip.
	settled, undercut, eroded or	
	otherwise damaged.	
	There is erosion around the	Regrade the soil to create a berm
	end of the level spreader that	that is higher than the level lip, and
	shows stormwater has	then plant a ground cover and
	bypassed it.	water until it is established. Provide
		lime and a one-time fertilizer application.
	Troop or chrube have begun	Remove them.
	Trees or shrubs have begun to grow on the swale or just	Remove them.
	downslope of the level lip.	
The bypass channel	Areas of bare soil and/or	Regrade the soil if necessary, to
	erosive gullies have formed.	remove the gully, and then
		reestablish proper erosion control.
	Turf reinforcement is	Study the site to see if a larger
	damaged or riprap is rolling	bypass channel is needed (enlarge if
	downhill.	necessary). After this, reestablish
		the erosion control material.
The filter strip	Grass is too short or too long	Maintain grass at a height of
	(if applicable).	approximately three to six inches.
	Areas of bare soil and/or	Regrade the soil if necessary, to
	erosive gullies have formed.	remove the gully, and then plant a
		ground cover and water until it is
		established. Provide lime and a
	Sediment is building up on	one-time fertilizer application. Remove the sediment and
	the filter strip.	restabilize the soil with vegetation if
	the inter surp.	necessary. Provide lime and a one-
		time fertilizer application.
	Plants are desiccated.	Provide additional irrigation and
		fertilizer as needed.
	Plants are dead, diseased or	Determine the source of the
	dying.	problem: soils, hydrology, disease,
		etc. Remedy the problem and
		replace plants. Provide a one-time
		fertilizer application.
	Nuisance vegetation is	Remove vegetation by hand if
	choking out desirable species.	possible. If pesticide is used, do not
		allow it to get into the receiving
The receiving water	Fracian or other signs of	water.
The receiving water	Erosion or other signs of damage have occurred at the	Contact the NCDENR Regional Office, or the 401 Oversight Unit at
	outlet.	919-733-1786.
	ounet.	717-700 - 1700.

Permit Numb	er:		
(to be	provided by	City of	Wilmington)

I acknowledge and agree by my signature below that I am responsible for the performance of the maintenance procedures listed above. I agree to notify the City of Wilmington of any problems with the system or prior to any changes to the system or responsible party.

Project name:	
SCM drainage basin number:	
Print name:	
Title:	
Address:	
Date:	
the lots have been sold and a reside	ld not be a homeowners' association unless more than 50% of ent of the subdivision has been named the president.
	, a Notary Public for the State of
	do hereby certify that
	personally appeared before me this
day of,,	, and acknowledge the due execution of the
forgoing filter strip, riparian buffer,	and/or level spreader maintenance requirements.
Witness my hand and official seal,	
CEAL	
SEAL	

My commission expires_____