

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4's)

Pa	Part I. Municipal (MS4) Contact Information					
1.	Name of Municipality: Village of Steger	MS4 #: ILR400455				
	Population (based on 2010 census): 9,570					
2.	2. MS4 Mailing Address: 3320 Lewis Avenue	City: Steger , IL Zip: 60475				
3.	3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)	Primary MS4 Contact Person (Authorized Representative for MS4 Permit)				
	Name: Dave Toepper Title: Public	c Infrastructure Director				
	Phone: (708) 755-3888 Email Address: dtoep	pper@villageofsteger.org				
Ge	General Information					
4.	4. Latitude and Longitude at approximate geographical center of MS4 for wh	nich you are requesting authorization to discharge:				
	Latitude: 41	s 11.15 W Seconds				
5.	5. Community Type: Village Other:					
6.	6. Name(s) of governmental entity(ies) in which MS4 is located:					
	City/Village Township County					
	Village of Steger Bloom (Cook), Crete (Will) Cook, V	Vill				
7.	7. Area of land within your MS4 in square miles: 3.53					
	Impaired Waters					
	The most recent 303(d) list may be found at <u>https://www2.illinois.gov/epa/topic Pages/303d-list.aspx</u> Information regarding TMDLs may be found at <u>https://w</u>					
	management/tmdls/Pages/default.aspx					
9.	Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?				
	Thorn Creek (HBD-02, HBD-04, HBD-06)					
	Thorn Creek (HBD-04)					
	Thorn Creek (HBD-06)					
	Deer Creek (HBDC)					
	Deer Creek (HBDC-02)					
	9a. If impaired, which potential causes and source?					
	Causes: See attached 303(d) causes for each waterbody Source	ce: Thorn Creek Stage 3 TMDL Report and 303(d)				
	9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan?	Yes ONo				
	If yes, what measures to comply with the TMDL waste load allocation Note: Although not yet approved, a Stage 3 TMDL Report was drafted					
	9c. Is the MS4 community included in the chloride variance?	Yes Ø No				

Program Responsibility

10.	Shared Responsibility					
	Is your MS4 responsible for any p	ermit requirements of anothe	er MS4 community? OYes	⊘ No		
	Does your MS4 Community rely of	on another MS4 to satisfy any	of the permit requirements?	○ Yes	⊘ No	
11.	Co-Permittee					
	Is your MS4 Community a Co-Per	mittee with another MS4 Cor	mmunity? O Yes O No			
12.	Other contacts responsible for im	plementation or coordination	of Stormwater Management	Program		
	Name:		Title:			
	Phone:	Email:		_		
	Area of Responsibility					

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area

Public Education and Outreach			
Approximate date first implemented: 2021 Frequency of each BMP program: Every 5 years			
Qualifying Local Programs			
A.1 Distributed Paper Material- publish information/newsletters A.4 Community Event- host a village-wide cleanup day A.6 Other Public Education- Website informational postings			
Measurable Goals (include shared responsibilities)			
✓ A.1 Distributed Paper Material			
Brief Description of BMP			
A.1 Distributed Paper Material- publish information/newsletters			
Measurable Goals, including frequencies			
Publish information/directions on used oil collection stations, pollution hotlines, etc. and mailed to Village residents annually.			
Milestones			
Year 1: Newsletter distributed.			
Year 2: Newsletter distributed.			
Year 3: Newsletter distributed.			
Year 4: Newsletter distributed.			
Year 5: Newsletter distributed.			
Additional Info			
BMP Number:			
A.2 Speaking Engagement			
A.3 Public Service Announcement			
A.4 Community Event			
Brief Description of BMP			
A.4 Community Event- host a village-wide cleanup day			
Measurable Goals, including frequencies			
A Village-wide cleanup day will be held on a yearly basis, potentially in the spring. Residents and volunteers participating in the program will meet up and be given various tasks throughout the Village, including picking up garbag and debris alongside roadways. Host a household hazardous waste drive once a year for residents to encourage propedisposal of household chemicals.			
Milestones			
Year 1: Hold annual Village Cleanup Day and a hazardous waste drive event			
Year 2: Hold annual Village Cleanup Day and a hazardous waste drive event			

A.

Year 3:	Hold annual Village Cleanup Day and a hazardous waste drive event
Year 4:	Hold annual Village Cleanup Day and a hazardous waste drive event
Year 5:	Hold annual Village Cleanup Day and a hazardous waste drive event
Addition	al Info
BMF	P Number: A.6
Noti	ify residents of these events through e-newsletters and postings on the Village's website.
A.5 Class	sroom Education Material
✓ A.6 Other	r Public Education
Brief De	escription of BMP
A.6 Oth	er Public Education- Website informational postings
Measura	able Goals, including frequencies
Update special	website and/or send out e-newsletters on a bi-monthly basis to notify residents of upcoming recycling and waste disposal events; educational information regarding storm water management, and the annual posting of ual Facility Inspection Report.
Mileston	nes
Year 1:	Bi-monthly website postings
Year 2:	Bi-monthly website postings
Year 3:	Bi-monthly website postings
Year 4:	Bi-monthly website postings
Year 5:	Bi-monthly website postings
Addition	al Info
ВМІ	P Number:
Public Partic	cipation/Involvement
Approximate	e date first implemented: 2021 Frequency of each BMP program: Annually
	Local Programs
	Hearing- Monthly Village Board Meetings Public Involvement- Contact Number on Village Website
Measurable	Goals (include shared responsibilities)
B.2 Educ	cational Volunteer
B.3 Stake	eholder Meeting
✓ B.4 Publi	ic Hearing

B.

Measurable Goals, including frequencies Residents may voice their concerns and provide feedback on the current SWMP and overall MS4 program at Village board meetings that are held monthly. Milestones Year 1: Village Board Meeting, held monthly Year 2: Village Board Meeting, held monthly Year 3: Village Board Meeting, held monthly Year 4: Village Board Meeting, held monthly Year 5: Village Board Meeting, held monthly Year 6: Village Board Meeting, held monthly Hollage Board Meeting, held monthly Year 7: Village Board Meeting, held monthly Year 8: Village Board Meeting, held monthly Additional Info BMP Number: Stouth	Brief Description of BM	MP
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BMP Number:	Year 5: Village Board	Meeting, held monthly
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Additional Info BMP Number: A.4	Year 4: Respond to st	ormwater related issues within 3-5 business days of being reported.
BMP Number: A.4	Year 5: Respond to st	ormwater related issues within 3-5 business days of being reported.
	Additional Info	
Village-wide cleanup day. Overlap with BMP A.4. See A.4 for additional information.	BMP Number: A.4	
	Village-wide clean	up day. Overlap with BMP A.4. See A.4 for additional information.

licit Discha	rge Detection and Elimination
Approximate	e date first implemented: March 2021 Frequency of each BMP program: Annually
Qualifying L	ocal Programs
C.1 Sewer I C.3 Detection C.4 Illicit Dis C.6 Program	Map Preparation- Village Storm Sewer Atlas on/Elimination Prioritization Plan- Development of Detection/Elimination Program scharge Tracing Procedures- Village Ordinance m Evaluation and Assessment- Hydrologic and hydraulic studies Dry Weather Screening- Storm Sewer/Structure Inspection
Measurable	Goals (include shared responsibilities)
✓ C.1 Sewe	er Map Preparation
Brief De	escription of BMP
	wer Map Preparation- Village Storm Sewer Atlas
	able Goals, including frequencies
their so	age keeps and maintains a storm sewer atlas that is used to trace suspicious discharges to urce. The atlas is updated whenever the storm sewer system is modified by a Village project rivate development.
Milestor	nes
Year 1:	The sewer atlas is updated whenever the storm sewer is modified.
Year 2:	The sewer atlas is updated whenever the storm sewer is modified.
Year 3:	The sewer atlas is updated whenever the storm sewer is modified.
Year 4:	The sewer atlas is updated whenever the storm sewer is modified.
Year 5:	The sewer atlas is updated whenever the storm sewer is modified.
Addition	nal Info
ВМ	P Number:
C.2 Regi	ulatory Control Program
✓ C.3 Dete	ection/Elimination Prioritization Plan
Brief D	escription of BMP
C.3 De	tection/Elimination Prioritization Plan- Development of Detection/Elimination Program
Measu	rable Goals, including frequencies lage is developing a program to detect and eliminate illicit discharges into storm drains and
local w	aterways. Since the program is still being developed, yearly milestones are not available at this time.
Milesto	nes
Year 1:	N/A
Year 2:	N/A
Year 3:	N/A

Year 4: N/A
Year 5: N/A
Additional Info
BMP Number:
✓ C.4 Illicit Discharge Tracing Procedures
Brief Description of BMP
C.4 Illicit Discharge Tracing Procedures- Village Ordinance
Measurable Goals, including frequencies
The Village has adopted and enforces an ordinance that provides the regulatory
authority to detect, investigate, and eliminate potential illicit discharges. See Section 86-165 of the Village ordinance. The Village will review and maintain annually storm water ordinances to ensure compliance with current policies.
Milestones
Year 1: Annual review or storm water ordinances
Year 2: Annual review or storm water ordinances
Year 3: Annual review or storm water ordinances
Year 4: Annual review or storm water ordinances
Year 5: Annual review or storm water ordinances
Additional Info
BMP Number:
C.5 Illicit Source Removal Procedures
✓ C.6 Program Evaluation and Assessment
Brief Description of BMP C.6 Program Evaluation and Assessment- Hydrologic and hydraulic studies
0.5 Frogram Evaluation and Assessment Tryanslegic and Tryanadae stadies
Measurable Goals, including frequencies
The Village is currently studying storm water control Village-wide. Detailed hydrologic and hydraulic studies have been undertaken to model existing conditions and determine proposed improvements
that will improve storm water controls and associated runoff.
Milestones
Year 1: Continue modeling hydrologic and hydraulic studies.
Year 2: Review results of hydrologic and hydraulic studies.
Year 3: Determine proposed improvements.

Year 4: Begin implementing proposed improvements.
Year 5: Continue implementing proposed improvements.
Additional Info
BMP Number:
✓ C.7 Visual Dry Weather Screening
Brief Description of BMP
C.7 Visual Dry Weather Screening- Storm Sewer/Structure Inspection
Measurable Goals, including frequencies
The Village inspects its storm sewers, manholes, catch basins, and inlets during dry weather periods each year. Any evidence of non-storm water discharges is documented and investigated.
Milestones
Year 1: Conduct annual inspection and document and investigate any non-storm water discharges.
Year 2: Conduct annual inspection and document and investigate any non-storm water discharges.
Year 3: Conduct annual inspection and document and investigate any non-storm water discharges.
Year 4: Conduct annual inspection and document and investigate any non-storm water discharges.
Year 5: Conduct annual inspection and document and investigate any non-storm water discharges.
Additional Info
BMP Number:
C.8 Pollutant Field Testing
C.9 Public Notification
C.10 Other Illicit Discharge Controls
Construction Site Runoff Control
Approximate date first implemented: March 2021 Frequency of each BMP program: Annually
Qualifying Local Programs
D.1 Regulatory Control Program- Village Ordinance D.4 Site Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants D.6 Site Inspection/Enforcement Procedures- Weekly inspection reports by developers and quality assurance inspections by Village or consultant staff.
✓ D.1 Regulatory Control Program
Brief Description of BMP Village ordinance has been developed to provide the authority to implement MS4 permit

D.

asurable	Goals (include shared responsibilities)
requiren propose	nents. The Village ordinance procedures require the review of Best Management Practices (BMP) for developments prior to construction.
Measura	able Goals, including frequencies
	and make any necessary changes to the village ordinance on an annual basis to continue to meet MS4 permit
Mileston	es
Year 1:	Review and update (if necessary) the village ordinance annually.
Year 2:	Review and update (if necessary) the village ordinance annually.
Year 3:	Review and update (if necessary) the village ordinance annually.
Year 4:	Review and update (if necessary) the village ordinance annually.
Year 5:	Review and update (if necessary) the village ordinance annually.
Addition	al Info
BMF	Number:
	on and Sediment Control BMPs
D.3 Other	on and Sediment Control BMPs Waste Control Program Plan Review Procedures
D.3 Other D.4 Site F Brief De	Waste Control Program Plan Review Procedures Escription of BMP
D.3 Other D.4 Site F Brief De	Waste Control Program Plan Review Procedures
D.3 Other D.4 Site F Brief De D.4 Site	Waste Control Program Plan Review Procedures Scription of BMP
D.4 Site F Brief De D.4 Site Measura Review being shis requir	Plan Review Procedures Secription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants Sable Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI ared for projects over 1 acre, which includes the preparation of a Storm Water Pollution
D.4 Site F Brief De D.4 Site Measura Review being shis requir	Plan Review Procedures Secription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants Sable Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI are defor projects over 1 acre, which includes the preparation of a Storm Water Pollution ion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff.
D.4 Site F Brief De D.4 Site Measura Review being shis requir Prevent Mileston	Plan Review Procedures Secription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants Sable Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI are defor projects over 1 acre, which includes the preparation of a Storm Water Pollution ion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff.
D.4 Site F Brief De D.4 Site Measure Review being shis requir Prevent Mileston Year 1:	Plan Review Procedures scription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants able Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) arrown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI ed for projects over 1 acre, which includes the preparation of a Storm Water Pollution ion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff.
D.3 Other D.4 Site F Brief De D.4 Site Measura Review being sk is requir Prevent Mileston Year 1:	Plan Review Procedures Secription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants Sable Goals, including frequencies Site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI red for projects over 1 acre, which includes the preparation of a Storm Water Pollution ion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff. Review site plans for any proposed developments.
D.3 Other D.4 Site F Brief De D.4 Site Measura Review being sh is requir Prevent Mileston Year 1: Year 2: Year 3:	Plan Review Procedures Scription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants able Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) arrown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI ed for projects over 1 acre, which includes the preparation of a Storm Water Pollution ion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff. Review site plans for any proposed developments. Review site plans for any proposed developments.
D.3 Other D.4 Site F Brief De D.4 Site Measure Review being shis requir Prevent Mileston Year 1: Year 2: Year 3:	Waste Control Program Plan Review Procedures scription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants able Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI ed for projects over 1 acre, which includes the preparation of a Storm Water Pollution ion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff. Review site plans for any proposed developments. Review site plans for any proposed developments.
D.3 Other D.4 Site F Brief De D.4 Site Measure Review being shis requir Prevent Mileston Year 1: Year 2: Year 3:	Waste Control Program Plan Review Procedures scription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants able Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI red for projects over 1 acre, which includes the preparation of a Storm Water Pollution rion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff. Review site plans for any proposed developments. Review site plans for any proposed developments.
D.3 Other D.4 Site F Brief De D.4 Site D.4 Site Measura Review being sh is requir Prevent Mileston Year 1: Year 2: Year 3: Year 4: Year 5: Addition	Waste Control Program Plan Review Procedures scription of BMP Plan Review Procedures- Site plan review by Village Staff/Engineering Consultants able Goals, including frequencies site plans for proposed developments in the village limits to ensure that Best Management Practices (BMPs) are nown on the plan. Site reviews are undertaken by village staff and engineering consultants. The NOI red for projects over 1 acre, which includes the preparation of a Storm Water Pollution rion Plan (SWPPP). Site plans will be reviewed by village and/or engineering consultant staff. Review site plans for any proposed developments. Review site plans for any proposed developments.

D.5 Publi	ic Information Handling Procedures
✓ D.6 Site	Inspection/Enforcement Procedures
	escription of BMP
D.6 Site	e Inspection/Enforcement Procedures- Weekly inspection reports by developers and quality assurance ions by Village or consultant staff.
Measur	able Goals, including frequencies
	inspection reports are required from developers of active projects. Periodic and unced audit inspections are conducted by Village or consultant staff.
Milestor	nes
Year 1:	Conduct audit inspections of projects under construction in the village limits to ensure compliance of the NPDES permit on an annual basis.
Year 2:	Conduct audit inspections of projects under construction in the village limits to ensure compliance of the NPDES permit on an annual basis.
Year 3:	Conduct audit inspections of projects under construction in the village limits to ensure compliance of the NPDES permit on an annual basis.
Year 4:	Conduct audit inspections of projects under construction in the village limits to ensure compliance of the NPDES permit on an annual basis.
Year 5:	Conduct audit inspections of projects under construction in the village limits to ensure compliance of the NPDES permit on an annual basis.
	er Construction Site Runoff Controls
	uction Runoff Control
	e date first implemented: March 2021 Frequency of each BMP program: Annually
- 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15	
E.3 Long To E.4 Pre-Co E.5 Site Ins	Local Programs erm O & M Procedures- Village storm sewer pipe and structure maintenance nstruction Review of BMP Designs- Village and/or consultant review of site plan BMPs spections During Construction- Weekly contractor inspections and village quality assurance inspections onstruction Inspections-Village and/or consultant inspections
Measurable	Goals (include shared responsibilities)
E.1 Com	munity Control Strategy
E.2 Regu	ulatory Control Program
✓ E.3 Long	Term O & M Procedures
	escription of BMP ng Term O & M Procedures- Village storm sewer pipe and structure maintenance
Measu	rable Goals, including frequencies
Post-co	onstruction, the Village continues routine operation and maintenance inspections of storm systems on an annual basis.

Milestones

Year 1:	The village will inspect storm sewer pipes and structures on an annual basis. Structures and pipes will be cleaned and vacuumed on an as needed basis.
Year 2:	The village will inspect storm sewer pipes and structures on an annual basis. Structures and pipes will be cleaned and vacuumed on an as needed basis.
Year 3:	The village will inspect storm sewer pipes and structures on an annual basis. Structures and pipes will be cleaned and vacuumed on an as needed basis.
Year 4:	The village will inspect storm sewer pipes and structures on an annual basis. Structures and pipes will be cleaned and vacuumed on an as needed basis.
Year 5:	The village will inspect storm sewer pipes and structures on an annual basis. Structures and pipes will be cleaned and vacuumed on an as needed basis.
Addition	al Info
ВМІ	P Number:
✓ E.4 Pre-0	Construction Review of BMP Designs
Briof Do	escription of BMP
_	-Construction Review of BMP Designs- Village and/or consultant review of site plan BMPs
2.1110	Soliditable in Noview of Elvir Bodgilo Villago anarol Contounant Foview of the plan Elvir o
Measur	able Goals, including frequencies
Village	staff and or consultant engineering staff will review site plan BMPs whenever site plans are submitted to the for review.
Mileston	nes
Year 1:	BMPs will be reviewed for proposed developments whenever site plans are submitted to the village for review.
Year 2:	BMPs will be reviewed for proposed developments whenever site plans are submitted to the village for review.
Year 3:	BMPs will be reviewed for proposed developments whenever site plans are submitted to the village for review.
Year 4:	BMPs will be reviewed for proposed developments whenever site plans are submitted to the village for review.
	BMPs will be reviewed for proposed developments whenever site plans are submitted to the village for review.
Addition	al Info
BM	P Number:
✓ E.5 Site	Inspections During Construction
	escription of BMP
E.5 Site	e Inspections During Construction- Weekly contractor inspections and village quality assurance inspections

compliance with the MS4 permit.

Notice of Intent for New or Renewal of General Permit for Discharges from

The Village and consultant staff perform site inspections throughout the entirety of construction

activities. Any active construction sites within the village limits will be inspected on at least an annual basis to ensure

Small Municipal Separate Storm Sewer Systems (MS4's)

Measurable Goals, including frequencies

Mileston	es
Year 1:	Perform annual audit inspection of all open construction sites
Year 2:	Perform annual audit inspection of all open construction sites.
Year 3:	Perform annual audit inspection of all open construction sites.
Year 4:	Perform annual audit inspection of all open construction sites
Year 5:	Perform annual audit inspection of all open construction sites
Additiona	
BMF	P Number:
✓ E.6 Post-	Construction Inspections
Brief De	escription of BMP
E.6 Pos	t-Construction Inspections-Village and/or consultant inspections
Measura	able Goals, including frequencies
Post-co	nstruction, the Village and consultant staff continue inspection of completed construction assure that storm water controls are functioning as intended. A post-construction inspection will be conducted ne year after construction has been completed for a proposed development.
Mileston	
Year 1:	Perform post-construction inspection on any projects that have been completed within the last year.
Year 2:	Perform post-construction inspection on any projects that have been completed within the last year.
Year 3:	Perform post-construction inspection on any projects that have been completed within the last year.
Year 4:	Perform post-construction inspection on any projects that have been completed within the last year.
Year 5:	Perform post-construction inspection on any projects that have been completed within the last year.
Addition	al Info
ВМІ	P Number:
☐E.7 Othe	r Post-Construction Runoff Controls
	evention/Good Housekeeping
Approximate	e date first implemented: March 2021 Frequency of each BMP program: Annually
Qualifying L	ocal Programs
F.1 Employ F.3 Municip F.4 Municip	ee Training Program- Municipal operations and safety protocol cal Operations Storm Water Control- Street sweeping and storm water control facility inspections cal Operations Waste Disposal- Maintenance records and logs of Village vehicles and equipment funicipal Operations Controls- Road Salt storage and application

1176	oyee Training Program
	escription of BMP ployee Training Program- Municipal operations and safety protocol
	able Goals, including frequencies
the disc regular educate activities building disturba	age implements an operation and maintenance program designed to prevent or reduce tharge of pollutants to the storm sewer system. The Public Works Department conducts employee training for municipal operations and safety protocol. Training is provided to estaff on pollution prevention and reduction of storm water pollution from municipal so s. The training addresses activities such as park and open space maintenance, fleet and maintenance, operation of storage yards, snow disposal, new construction and land ance, and storm system maintenance. The training also addresses the hazard associated gal discharges and improper disposal of waste.
Mileston	es
Year 1:	Conduct training programs on a quarterly basis.
Year 2:	Conduct training programs on a quarterly basis.
Year 3:	Conduct training programs on a quarterly basis.
Year 4:	Conduct training programs on a quarterly basis.
Year 5:	Conduct training programs on a quarterly basis.
Addition	al Info
вмі	P Number:
2 Inspe	ection and Maintenance Program
F.3 Muni	cipal Operations Storm Water Control
	escription of BMP
F.3 Mur	nicipal Operations Storm Water Control- Street sweeping and storm water control facility inspections
Measur	able Goals, including frequencies
The Vill pollutar	age performs street sweeping to clean up roadways and keep dirt, debris, and other of the storm sewer system. The Village performs regular inspection and routine maintenance of storm sewer, ditches, creeks, and storm water control facilities.
Milestor	nes
Year 1:	Perform annual inspection of storm water facilities. Perform street sweeping of village streets on an as needed basis, but at least once annually.
Year 2:	Perform annual inspection of storm water facilities. Perform street sweeping of village streets on an as needed basis, but at least once annually.
Year 3:	Perform annual inspection of storm water facilities. Perform street sweeping of village streets on an as needed basis, but at least once annually.

Measurable Goals (include shared responsibilities)

Year 4: Perform annual inspection of storm water facilities. Perform street sweeping of village streets on an as needed

basis, but at least once annually.

Additiona	al Info
BMF	Number:
.4 Munic	ipal Operations Waste Disposal
Brief De	scription of BMP
	icipal Operations Waste Disposal- Maintenance records and logs of Village vehicles and equipment
	able Goals, including frequencies
	age keeps maintenance records and logs for maintenance of Village vehicles and equipment, g disposal of associated hazardous materials.
Mileston	es
Year 1:	Update vehicle maintenance logs whenever vehicle maintenance is performed throughout the year.
Year 2:	Update vehicle maintenance logs whenever vehicle maintenance is performed throughout the year.
Year 3:	Update vehicle maintenance logs whenever vehicle maintenance is performed throughout the year.
Year 4:	Update vehicle maintenance logs whenever vehicle maintenance is performed throughout the year.
Year 5:	Update vehicle maintenance logs whenever vehicle maintenance is performed throughout the year.
Addition	al Info
BMF	Number:
.5 Flood	Management/Assess Guidelines
.6 Other	Municipal Operations Controls
Brief De	scription of BMP
	er Municipal Operations Controls- Road Salt storage and application
Measura	able Goals, including frequencies
Road sa	alt is stored in a covered permanent structure to protect it from precipitation. The Village
removal	de-icing operators receive specific training on best management practices for snow and ice , and use only the amount of deicing chemical needed for each weather event.
Mileston	es
Year 1:	Ensure that all new roadway de-icing operators receive required training on BMPs for snow and ice removal
	DMD for any and in a second
Year 2:	Ensure that all new roadway de-icing operators receive required training on BMPs for snow and ice removal
	Ensure that all new roadway de-icing operators receive required training on BMPs for show and ice removal Ensure that all new roadway de-icing operators receive required training on BMPs for snow and ice removal

Additional Info BMP Numb	per:			
Ps Currently Imple	mented and Proposed			- F 1 1 1 1
BMP Number	Location			1,
proximate Pollutan	t Reduction Resulting from each BMP			
BMP Number	Pollutant			Reduction
tream Monitoring F	Program			
Is there an instream	n monitoring program currently in place?	Yes	⊘ No	
	itoring program currently being proposed?		⊘ No	
liment Monitoring				
Is sediment monito	ring currently taking place?	○ Yes	⊘ No	
nple Monitoring of				
26	ng of outfalls currently taking place?	○ Yes		
er Monitoring				
Describe other type stormwater.	es of monitoring implemented or proposed t	to evaluat	e the BMP eff	ectiveness or water quality impact

Part III. Certification

I certify under penalty of law that this document an all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 knowingly submitting false information, including the possibility of fines and imprisonment.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44 (h)).

Dave Toepper	Public Infrastructure Director	
Authorized Representative Name	Title	
Then keepen	3/14/21	
Authorized Representative Signature	Date	

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency Bureau of Water Division of Water Pollution Control Attn: Permit Section P.O. Box 19276 1021 North Grand Avenue East Springfield, IL 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.

the LC, the WLA was set equal to the LC at that flow level and the resulting nonpoint source (LA) allowable loads are zero.

MS4 Discharges

MS4s represent runoff from municipal areas with separate stormwater sewer systems. MS4s are regulated discharges and therefore, are allocated through WLAs, rather than LAs. WLAs for MS4s are calculated by first determining the total area within a municipality's boundaries that lies within the target watershed using GIS analyses and geographic data for municipal boundaries from the U.S. Census Department (2000).

The proportion of total MS4 area to total watershed area was then calculated for each subwatershed. This proportion was then used to migrate loads from previously calculated LAs for overland runoff to WLAs for MS4 areas in each flow category. This process effectively transfers MS4 load allocations for overland runoff from non-regulated sources described as LAs to the WLA for regulated sources of contaminants. As MS4 allocations are tied to overland runoff in urban areas, they are therefore related to higher flow conditions in the stream. As a result, the WLAs for MS4s are only applied to the upper 50% of flow categories (mid-range to high flows) for each segment. The total MS4 load allocations for fecal coliform that are applied to the proportion of each municipality within each impaired reach's subbasin are shown for each applicable flow category in Tables 2-5 through 2-12.

Table 2-5: WLA (mil col/Day) for MS4 Areas in Thorn Creek Segment HBD-02

Municipality	NPDES ID	MS4 Area in Watershed	High		Moist		Mid- Range		Dry	/		Low Flow
wunicipality	NPDE3 ID	(acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Chicago Heights	ILR400174	6,100	178,008	72,848	47,627	34,116	26,977	-	-	-	-	-
Country Club Hills	ILR400177	173	5,066	2,073	1,355	971	768	-	-	-	1	-
Crete	ILR400321	3,920	114,391	46,813	30,606	21,924	17,336	-	-	-	-	-
Flossmoor	ILR400337	1,697	49,522	20,266	13,250	9,491	7,505	ı	-	I	-	1
Ford Heights	ILR400191	1,110	32,400	13,259	8,669	6,210	4,910	I		I	1	ı
Frankfort	ILR400194	70	2,050	839	548	393	311	-	-	-	-	-
Glenwood	ILR400344	1,746	50,951	20,851	13,632	9,765	7,722	-		-	1	-
Homewood	ILR400357	1,059	30,925	12,656	8,274	5,927	4,687	-		-	-	-
Lansing	ILR400373	1,835	53,575	21,925	14,334	10,268	8,119	-		-	-	-
Lynwood	ILR400380	2,990	87,277	35,717	23,352	16,727	13,227	-		-	-	-
Matteson	ILR400383	4,458	130,095	53,240	34,808	24,934	19,716	1	1	-	1	1
Monee	ILG870335	497	14,522	5,943	3,885	2,783	2,201	-	-	-	-	-
Olympia Fields	ILR400413	1,841	53,733	21,989	14,377	10,298	8,143	-		-	1	-
Park Forest	ILR400421	3,141	91,670	37,515	24,527	17,569	13,893	-	-	-	-	-
Sauk Village	ILR400441	2,445	71,368	29,206	19,095	13,678	10,816	-	-	-	-	-
South Chicago Heights	ILR400449	1,009	29,466	12,059	7,884	5,647	4,466	=	=	ı	-	-
Steger	ILR400455	2,238	65,312	26,728	17,475	12,517	9,898	-	-	ı	-	-
Thornton	ILR400459	949	27,699	11,336	7,411	5,309	4,198	-	-	1	-	-
University Park	ILR400250	4,622	134,886	55,200	36,090	25,852	20,442	-	-	1	-	-



Table 2-6: WLA (mil col/Day) for MS4 Areas in Thorn Creek Segment HBD-03

Municipality	NPDES ID	MS4 Area in	High		Moist		Mid- Range		D	ry		Low Flow
		Watershed (acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Monee	ILG870335	407	18,996	7,087	4,062	2,550	1,793	-	-	-	-	-
Park Forest	ILR400421	1,054	49,214	18,360	10,523	6,605	4,646	-	-	-	-	-
University Park	ILR400250	2,471	115,319	43,020	24,658	15,477	10,887		-	-	-	-

Table 2-7: WLA (mil col/Day) for MS4 Areas in Thorn Creek Segment HBD-04

		MS4 Area in	High		Moist		Mid- Range		D	ry		Low Flow
Municipality	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Chicago Heights	ILR400174	6,100	183,818	83,043	52,070	36,808	28,280	í	-	-	-	-
Country Club Hills	ILR400177	173	5,231	2,363	1,482	1,047	805	=	-	-	-	-
Crete	ILR400321	3,920	118,125	53,365	33,461	23,654	18,173		-	-	-	-
Flossmoor	ILR400337	1,697	51,139	23,103	14,486	10,240	7,867	1	-	-	-	-
Ford Heights	ILR400191	1,110	33,458	15,115	9,478	6,700	5,147	-	-	-	-	-
Frankfort	ILR400194	70	2,117	956	600	424	326	-	-	-	-	-
Glenwood	ILR400344	1,746	52,615	23,770	14,904	10,536	8,095	-	-	-	-	-
Homewood	ILR400357	1,059	31,934	14,427	9,046	6,395	4,913		-	-	-	-
Lansing	ILR400373	2,060	62,090	28,050	17,588	12,433	9,552	-	-	-	-	-
Lynwood	ILR400380	2,990	90,126	40,716	25,530	18,047	13,866	-	1	-	1	1
Matteson	ILR400383	4,458	134,342	60,692	38,055	26,901	20,668		1	1	1	ı
Monee	ILG870335	497	14,996	6,775	4,248	3,003	2,307		-	-	-	-
Olympia Fields	ILR400413	1,841	55,487	25,067	15,718	11,111	8,536	-	-	-	-	-
Park Forest	ILR400421	3,141	94,663	42,766	26,815	18,956	14,563	-	-	-	-	-
Sauk Village	ILR400441	2,445	73,697	33,294	20,876	14,757	11,338	-	-	-	-	-
South Chicago Heights	ILR400449	1,009	30,428	13,746	8,619	6,093	4,681	1	-	-	-	-
South Holland	ILR400451	908	27,389	12,374	7,759	5,485	4,214	-	-	-	-	-
Steger	ILR400455	2,238	67,443	30,469	19,105	13,505	10,376	-	-	-	-	-
Thornton	ILR400459	1,154	34,791	15,718	9,855	6,967	5,353	-	-	-	-	-
University Park	ILR400250	4,622	139,288	62,926	39,457	27,892	21,429	-	-	-	-	-



DRAFT 2-9

Table 2-8: WLA (mil col/Day) for MS4 Areas in Thorn Creek Segment HBD-05

		MS4 Area in _ Watershed (acres)	High		Moist		Mid- Range	Dry				
Municipality	NPDES ID		0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Chicago Heights	ILR400174	2,472	110,200	41,359	23,369	14,949	11,121	-	-	-	-	-
Matteson	ILR400383	52	2,318	870	492	314	234	-	-	-	-	-
Monee	ILG870335	407	18,144	6,809	3,848	2,461	1,831	-	-	-	-	-
Olympia Fields	ILR400413	75	3,330	1,250	706	452	336	-	-	-	-	-
Park Forest	ILR400421	2,817	125,564	47,125	26,627	17,033	12,672	-	-	-	-	-
South Chicago Heights	ILR400449	349	15,576	5,846	3,303	2,113	1,572	-	-	-	-	-
University Park	ILR400250	2,559	114,041	42,800	24,184	15,470	11,509	-	-	-	-	-

Table 2-9: WLA (mil col/Day) for MS4 Areas in Thorn Creek Segment HBD-06

Manufain altho	NDDEC ID	MS4 Area in	High		Moist		Mid- Range	Drv				
Municipality	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%¹	20 - 30%¹	30 - 40%¹	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Chicago Heights	ILR400174	4,925	92,496	0	0	0	6,270	-	-	-	-	-
Flossmoor	ILR400337	55	1,040	0	0	0	71	-	-	-	-	-
Glenwood	ILR400344	30	555	0	0	0	38	-	-	-	-	-
Matteson	ILR400383	52	977	0	0	0	66	-	-	-	-	-
Monee	ILG870335	407	7,645	0	0	0	518	-	-	-	-	-
Olympia Fields	ILR400413	75	1,408	0	0	0	95	-	-	-	-	-
Park Forest	ILR400421	2,817	52,911	0	0	0	3,587	-	-	-	-	-
South Chicago Heights	ILR400449	847	15,906	0	0	0	1,078	í	ſ	·	-	-
Steger	ILR400455	801	15,037	0	0	0	1,019	-	-	-	-	-
University Park	ILR400250	2,559	48,055	0	0	0	3,257	-	-	-	-	-

¹ All available WLA at these flow levels previously allocated to a point source discharge (Thorn Creek Basin Sanitary District STP).



Table 2-10: WLA (mil col/Day) for MS4 Areas in Butterfield Creek Segment HBDB-03

	NDDEC ID	MS4 Area in	High		Moist		Mid- Range		D	ry		Low Flow
Municipality	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Chicago Heights	ILR400174	399	6,622	3,516	1,828	1,192	830	-	-	-	-	-
Country Club Hills	ILR400177	174	2,883	1,531	796	519	361	ū	ē	ı	-	-
Flossmoor	ILR400337	1,642	27,269	14,476	7,527	4,907	3,417	-	-	-	-	-
Frankfort	ILR400194	70	1,167	619	322	210	146	-	-	-	-	-
Glenwood	ILR400344	448	7,440	3,949	2,053	1,339	932	-	-	-	-	-
Homewood	ILR400357	937	15,561	8,261	4,295	2,800	1,950	-	-	-	-	-
Matteson	ILR400383	4,406	73,189	38,853	20,201	13,171	9,171	-	-	-	-	-
Olympia Fields	ILR400413	1,766	29,341	15,576	8,098	5,280	3,677	-	-	-	-	-
Park Forest	ILR400421	324	5,382	2,857	1,486	969	674	-	-	-	-	-
University Park	ILR400250	896	14,877	7,898	4,106	2,677	1,864	-	-	-	-	-

Table 2-11: WLA (mil col/Day) for MS4 Areas in Deer Creek Segment HBDC

	NIDDES ID	MS4 Area in	High		Moist		Mid- Range		D	ry		Low Flow
Municipality Crete	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%¹	20 - 30%¹	30 - 40%¹	40 - 50%¹	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Crete	ILR400321	805	12,212	0	0	0	0	-	-	-	-	-
Monee	ILG870335	91	1,374	0	0	0	0	1	1	1	-	-
Steger	ILR400455	271	4,114	0	0	0	0	-	-	-	-	1
University Park	ILR400250	942	14,294	0	0	0	0	-	1	-	-	-

¹ All available WLA at these flow levels previously allocated to a point source discharge (Aqua Illinois – University Park WWTF).

Table 2-12: WLA (mil col/Day) for MS4 Areas in Deer Creek Segment HBDC-02

		MS4 Area in	High	h I Moist I I Dry				Low Flow				
Municipality	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Chicago Heights	ILR400174	776	19,262	6,421	3,596	2,337	1,875	ı	ı	ı	-	-
Crete	ILR400321	3,830	95,063	31,688	17,745	11,534	9,253		-	-	-	-
Ford Heights	ILR400191	930	23,075	7,692	4,307	2,800	2,246	-	-	-	-	-
Glenwood	ILR400344	335	8,325	2,775	1,554	1,010	810	-	-	-	-	-
Lynwood	ILR400380	220	5,460	1,820	1,019	662	531	-	-	-	-	-
Monee	ILG870335	91	2,247	749	419	273	219	-	-	-	-	-
Sauk Village	ILR400441	703	17,436	5,812	3,255	2,116	1,697	-	-	-	-	-
South Chicago Heights	ILR400449	163	4,040	1,347	754	490	393	ı	ı	ı	-	-
Steger	ILR400455	1,400	34,753	11,584	6,487	4,217	3,383	1	1	1	-	-
University Park	ILR400250	1,168	28,984	9,661	5,410	3,517	2,821	-	-	-	-	-



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LAs. Chloride WLAs for MS4s were calculated in a manner consistent with the calculations performed for fecal coliform TMDLs (see **section 2.3.1.4**). The total MS4 load allocations for chloride that are applied to each municipality within each impaired reach's subbasin are shown for each applicable flow category in **Table 2-23**.

Table 2-23: WLA (lbs/Day) for MS4 Areas in Thorn Creek Segment HBD-04

B. G Labora . Library	NDDECID	MS4 Area in	High		Moist		Mid- Range		D	ry		Low Flow
Municipality	NPDES ID	Watershed	0 -	10 -	20 -	30 -	40 -	50 -	60 -	70 -	80 -	90 -
		(acres)	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Chicago Heights	ILR400174	6,100	88,225	24,661	8,852	2,172	7,430	-	1	1	-	-
Country Club Hills	ILR400177	174	2,425	702	252	62	211	-	1	ı	-	-
Crete	ILR400321	3,920	54,767	15,847	5,688	1,396	4,775	-	-	-	-	-
Flossmoor	ILR400337	1,697	23,710	6,861	2,463	604	2,067	-	-	-	-	-
Ford Heights	ILR400191	1,110	15,512	4,489	1,611	395	1,352	-	ı	ı	-	-
Frankfort	ILR400194	70	981	284	102	25	86	-	-	1	-	-
Glenwood	ILR400344	1,746	24,394	7,059	2,534	622	2,127	-	-	-	-	-
Homewood	ILR400357	1,060	14,806	4,284	1,538	377	1,291	-	-	-	-	-
Lansing	ILR400373	2,060	28,787	8,330	2,990	734	2,510	-	-	-	-	-
Lynwood	ILR400380	2,991	41,786	12,091	4,340	1,065	3,643	-	-	-	-	-
Matteson	ILR400383	4,458	62,286	18,023	6,469	1,587	5,430	-	-	-	-	-
Monee	ILG870335	498	6,953	2,012	722	177	606	-	-	-	-	-
Olympia Fields	ILR400413	1,841	25,726	7,444	2,672	656	2,243	-	1	-	-	=
Park Forest	ILR400421	3,141	43,889	12,700	4,558	1,118	3,826	-	-	ı	-	-
Sauk Village	ILR400441	2,446	34,169	9,887	3,549	871	2,979	-	ı	ı	-	-
South Chicago Heights	ILR400449	1,010	14,108	4,082	1,465	359	1,230	-	-	-	-	-
South Holland	ILR400451	909	12,699	3,675	1,319	324	1,107	-	-	-	-	-
Steger	(ILR400455)	2,238	31,270	9,048	3,248	797	2,726	-	-	-	-	-
Thornton	ILR400459	1,155	16,131	4,668	1,675	411	1,406	-	-	-	-	-
University Park	ILR400250	4,622	64,580	18,687	6,707	1,646	5,630	-	-	-	-	-

2.3.2.5 Reserve Capacity

In the case of the chloride TMDL, an explicit RC was not included in the TMDL calculations due to the lack of point source loading of chloride from facilities directly impacted by population change believed to be occurring in the watershed. Non-point loads of chloride are not expected to increase as a result of typical levels of population growth anticipated within this watershed.

2.3.2.6 Load Allocation and TMDL Summary

Table 2-24 shows the summary of the chloride TMDL for segment HBD-04. This segment has one tributary point source discharge, Thorn Creek Basin Sanitary District STP (IL0027723) that was assigned a WLA for chloride discharges to this segment. This discharger's permitted design



41 (ILG840199) is a general construction permit within the subbasin, but is unlikely to discharge elevated zinc concentrations and has no zinc permit limit.

Aqua Illinois – University Park WWTF's design maximum flow (DMF) was used to calculate the WLA during the highest 40% of in-stream flow conditions while the facility's design average flow (DAF) was used to calculate the WLA at lower stream flow levels (see discussion in **Section 2.3.1.5**). The use of the DMF in place of the more common DAF at higher flow conditions in the WLA calculations serves as an additional conservative measure in the TMDL calculations. This methodology essentially allows for the facility to use the entire treatment and discharge capacity available while still remaining within the WLA.

The DAFs and DMFs were multiplied by Aqua Illinois – University Park WWTF's monthly average concentration limit for zinc of 0.079 mg/L to establish the WLA for that facility, shown in **Table 2-26**.

Table 2-26: Zinc WLAs for NPDES Permitted Point Sources in the Thorn Creek Watershed

Facility	NPDES Permit Number	Applicable Stream Segment	DAF (MGD)	WLA-DAF (lbs/Day)	DMF (MGD)	WLA-DMF (lbs/Day)
Aqua Illinois – University Park WWTF	IL0024473	HBD-06	2.43	1.60	6.44	4.2

MS4 Discharges

MS4 discharges represent runoff from municipal areas with separate stormwater sewer systems. MS4 discharges are regulated discharges and therefore, are allocated through WLAs, rather than LAs. Zinc WLAs for MS4s were calculated in a manner consistent with the calculations performed for fecal coliform TMDLs (see **section 2.3.1.4**). The total MS4 load allocations for zinc that are applied to each municipality within the impaired reach's subbasin are shown for each applicable flow category in **Table 2-27**.

Table 2-27: WLA (lbs/Day) for MS4 Areas in Thorn Creek Segment HBD-02

D.G i al lite .	NDDEC ID	MS4 Area in	High		Moist		Mid- Range	Dry			Low Flow	
Municipality	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90% - - - - - - - -	90 - 100%
Chicago Heights	ILR400174	6,100	18.02	6.96	4.18	2.89	2.43	-	-	-	-	-
Country Club Hills	ILR400177	174	0.51	0.20	0.12	0.08	0.07	1	ı	1	ı	-
Crete	ILR400321	3,920	11.58	4.48	2.69	1.86	1.56		-	-	-	-
Flossmoor	ILR400337	1,697	5.01	1.94	1.16	0.80	0.68	1	-	-	-	-
Ford Heights	ILR400191	1,110	3.28	1.27	0.76	0.53	0.44	-	-	-	-	-
Frankfort	ILR400194	70	0.21	0.08	0.05	0.03	0.03	1	-	-	-	-
Glenwood	ILR400344	1,746	5.16	1.99	1.20	0.83	0.70	-	-	-	-	-
Homewood	ILR400357	1,060	3.13	1.21	0.73	0.50	0.42	-	-	-	-	-
Lansing	ILR400373	1,836	5.42	2.10	1.26	0.87	0.73	-	-	-	-	-
Lynwood	ILR400380	2,991	8.83	3.41	2.05	1.42	1.19	-	-	-	-	-
Matteson	ILR400383	4,458	13.17	5.09	3.05	2.11	1.78	-	-	-	-	-
Monee	ILG870335	498	1.47	0.57	0.34	0.24	0.20	-	-	-	-	-



D. A. uninimalita	NPDES ID	MS4 Area in	High	Moist			Mid- Range Dry					Low Flow
Municipality	NPDES ID	Watershed (acres)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	50 - 60%	60 - 70%	70 - 80%	80 - 90%	90 - 100%
Olympia Fields	ILR400413	1,841	5.44	2.10	1.26	0.87	0.73	-	ı	ı	-	-
Park Forest	ILR400421	3,141	9.28	3.59	2.15	1.49	1.25	-	-	-	-	-
Sauk Village	ILR400441	2,446	7.22	2.79	1.68	1.16	0.97	-	-	-	-	
South Chicago Heights	ILR400449	1,010	2.98	1.15	0.69	0.48	0.40	-	1	1	-	-
Steger	ILR400455	2,238	6.61	2.56	1.53	1.06	0.89	-	1	-	-	-
Thornton	ILR400459	949	2.80	1.08	0.65	0.45	0.38	-	1	-	-	-
University Park	ILR400250	4,622	13.65	5.28	3.17	2.19	1.84	-	-	-	-	-

2.3.3.5 Reserve Capacity

An explicit RC was not included in the TMDL calculations for zinc due to the lack of point source loading of this constituent from facilities directly impacted by changes to population or increased development within the watershed. Non-point loads of zinc are also not expected to increase as a result of the population growth anticipated for this watershed.

2.3.3.6 Load Allocations and TMDL Summaries

Table 2-28 shows the summary of the zinc TMDL for segment HBD-02, along with the percent reductions required at various flow levels. This segment has one tributary point source discharge, Aqua Illinois – University Park WWTF (IL0024473) that was assigned a WLA for zinc discharges to this segment. This discharger's permitted design average and design maximum flows were used along with the 93 μ g/L permitted effluent limit to calculate the WLAs. The remainder of the WLA applied to this segment's TMDL are related to the MS4 areas as discussed in **Section 2.3.3.4**. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-28: Zinc TMDL for Thorn Creek (HBD-02)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load ¹ (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	222	72	128	22.22	335	34%
	10 - 20	89	28	52	8.88	126	30%
Moist	20 - 30	55	17	33	5.52	63	12%
	30 - 40	40	12	24	3.96	42	6%
Mid-Range	40 - 50	31	10	18	3.11	37	16%
	50 - 60	25	21	1.60	2.46	28	13%
Don	60 - 70	21	17	1.60	2.06	24	13%
Dry	70 - 80	17	14	1.60	1.71	19	10%
	80 - 90	15	12	1.60	1.51	17	10%
Low Flow	90 - 100	12	9	1.60	1.20	14	14%

¹ Actual Load was calculated using the 90th percentile of observed zinc concentrations in a given flow range (USEPA 2007)



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Table 2-30 Ammonia-N WLAs for MS4s Permittees in the Thorn Creek Watershed

			Amn		Total			
MS4 Permittee	NPDES ID	HBD- 02	HBD- 03	HBD- 04	HBD- 06	HBDA- 01	HBDC- 02	Ammonia-N MS4 WLA (lbs/day)
Chicago Heights	ILR400174	56.6	-	68.6	85.0	-	1.86	212
Country Club Hills	ILR400177	1.61	-	1.95	-	-	-	3.56
Crete	ILR400321	36.4	-	44.1	-	0.05	9.16	89.7
Flossmoor	ILR400337	15.8	-	19.1	0.96	-	-	35.8
Ford Heights	ILR400191	10.3	-	12.5	-	0.11	2.22	25.1
Frankfort	ILR400194	0.65	-	0.79	-	-	-	1.44
Glenwood	ILR400344	16.2	-	19.6	0.51	0.25	0.80	37.4
Homewood	ILR400357	9.84	-	11.9	-	-	-	21.7
Lansing	ILR400373	17.0	-	23.2	-	1.09	-	41.3
Lynwood	ILR400380	27.8	-	33.6	-	1.65	0.53	63.5
Matteson	ILR400383	41.4	-	50.1	0.90	-	-	92.4
Monee	ILG870335	4.62	11.6	5.59	7.03	-	0.22	29.0
Olympia Fields	ILR400413	17.1	-	20.7	1.29	-	-	39.1
Park Forest	ILR400421	29.2	30.0	35.3	48.6	-	-	143
Sauk Village	ILR400441	22.7	-	27.5	0.00	1.03	1.68	52.9
South Chicago Heights	ILR400449	9.37	0.04	11.3	14.6	-	0.39	35.8
South Holland	ILR400451	_	-	10.2	0.00	-	-	10.2
Steger	ILR400455	20.8	-	25.2	13.8	0.02	3.35	63.1
Thornton	ILR400459	8.81	-	13.0	-	-	-	21.8
University Park	ILR400250	42.9	70.3	51.9	44.2	-	2.79	212
Total		389	112	486	217	4.2	23.0	1,231

2.3.5.5 Reserve Capacity

An explicit RC was included in the TMDL calculations for DO to account for the projected population growth in the watershed. Due to the considerable uncertainty in the impact to loads of the constituents related to DO as a result of projected changes to population or increased development within the watershed, an RC of 10% of the overall LC was selected and applied to each constituent for each impaired reach. The 10% figure roughly equates to the projected population growth within the watershed over the next 10 years (CMAP 2010).

2.3.5.6 Load Allocations and TMDL Summary

Tables 2-31, 2-32, 2-33, 2-34, 2-35, and 2-36 show a summary of the DO TMDLs for Thorn Creek segments HBD-03, HBD-06 and HBD-02, HBD-04, Deer Creek segment HBDC-02, and North Creek segment HBDA-01, respectively. These segments have no point source discharges assigned a WLA. The WLAs applied to these segments' TMDLs are related to the MS4 areas as discussed in Section 2.3.5.4. Phosphorus and overall phosphorus reductions are included without explicit WLAs as a result of the lack of an applicable water quality standard for the receiving waterbodies. As reductions in ammonia and phosphorus will directly reduce the organic and inorganic nutrient loading to the sediment bed, SOD was reduced proportionate to ammonia and phosphorus reductions, and not considered a separate pollutant. Percent reductions are based on actual loads vs. loading capacity less the reserve capacity.



Appendix A-2. Illinois' 2018 303(d) List (sorted by name)

		TT 1 1 ·					
0.1	D · ·	Hydrologic	TT 4 NT	, m	TT 4 C	D	G
		Unit Code	Water Name	Assessment ID	Water Size*	Designated Use	Cause
540	Medium	0712000610	DEEP (LAKE)	IL_VTD	225.5	Fish Consumption	Mercury
2570	т	0712000610	DEED (LAIZE)	H VTD	225.5	Primary Contact	Event California
2579	Low	0712000610	DEEP (LAKE)	IL_VTD IL BEZY	225.5	Recreation	Fecal Coliform
2056		0512011205	Deer Creek	_	14.34	Aquatic Life	Iron
		0512011205	Deer Creek	IL_BEZY	14.34	Aquatic Life	Oxygen, Dissolved
2058		0512011205	Deer Creek	IL_BEZY IL CDB	14.34	Aquatic Life	Temperature, water
1508		0512011407	Deer Creek		17.62	Aquatic Life	Manganese
1509 1224		0512011407 0709000606	Deer Creek	IL_CDB IL_PQCE	9.66	Aquatic Life	Oxygen, Dissolved Cause Unknown
866		0712000302	Deer Creek Deer Creek	IL_HBDC	8.2	Aquatic Life Aquatic Life	Phosphorus (Total)
800	Medium	0712000302	Deer Creek	пррс	0.2	Primary Contact	rnosphorus (Totai)
2638	Low	(0712000302)	Deer Creek	IL HBDC	8.2	Recreation	Fecal Coliform
2339	Low	0712000302	Deer Creek	IL HBDC-02	(10.12)	Aquatic Life	Oxygen, Dissolved
867		0712000302	Deer Creek	IL HBDC-02	(10.12)	Aquatic Life	Phosphorus (Total)
868		0712000302	Deer Creek	IL HBDC-02	(10.12)	Aquatic Life	Sedimentation/Siltation
000	Wicdiani	0712000302	Deer Creek	IL_IIDDC 02	10.12	Primary Contact	Seamentation/Situation
2640	Low	0712000302	Deer Creek	IL_HBDC-02	10.12	Recreation	Fecal Coliform
2130		0713000206	Deer Creek	IL_DSLB	6.25	Aquatic Life	Oxygen, Dissolved
441		0712000402	DEER LAKE	IL_WGZF	59	Aesthetic Quality	Phosphorus (Total)
571		0712000402	DEFIANCE	IL_RTB	47.8	Aesthetic Quality	Phosphorus (Total)
572		0712000611	DEFIANCE	IL_RTB	47.8	Fish Consumption	Mercury
1721		0713000108	DEPUE	IL RDU	524	Aquatic Life	Cadmium
1722		0713000108	DEPUE	IL RDU	524	Aquatic Life	Endrin
1723		0713000108	DEPUE	IL RDU	524	Aquatic Life	Silver
1724		0713000108	DEPUE	IL RDU	524	Aquatic Life	Zinc
1725		0713000108	DEPUE	IL RDU	524	Fish Consumption	Mercury
1726		0713000108	DEPUE	IL RDU	524	Fish Consumption	Polychlorinated biphenyls
838		0712000403	DES PLAINES	IL VGZD	21	Aesthetic Quality	Phosphorus (Total)
801		0712000403	Des Plaines River	IL_G-07	10.78	Aquatic Life	Arsenic
802		0712000403	Des Plaines River	IL G-07	10.78	Aquatic Life	Chloride
803		0712000403	Des Plaines River	IL_G-07	10.78	Aquatic Life	Phosphorus (Total)
804	Medium	0712000403	Des Plaines River	IL_G-07	10.78	Fish Consumption	Mercury
805	Medium	0712000403	Des Plaines River	IL_G-07	10.78	Fish Consumption	Polychlorinated biphenyls
						Primary Contact	
806	Medium	0712000403	Des Plaines River	IL_G-07	10.78	Recreation	Fecal Coliform
807	Medium	0712000403	Des Plaines River	IL_G-08	0.97	Aquatic Life	Oxygen, Dissolved
808	Medium	0712000403	Des Plaines River	IL_G-08	0.97	Aquatic Life	Total Suspended Solids (TSS)
809	Medium	0712000403	Des Plaines River	IL_G-08	0.97	Fish Consumption	Mercury
810	Medium	0712000403	Des Plaines River	IL_G-25	6.92	Aquatic Life	Arsenic
811		0712000403	Des Plaines River	IL_G-25	6.92	Aquatic Life	Oxygen, Dissolved
812		0712000403	Des Plaines River	IL_G-25	6.92	Aquatic Life	Sedimentation/Siltation
813		0712000403	Des Plaines River	IL_G-25	6.92	Aquatic Life	Total Suspended Solids (TSS)
814		0712000403	Des Plaines River	IL_G-25	6.92	Fish Consumption	Mercury
150		0712000405	Des Plaines River	IL_G-15	3.52	Aquatic Life	Chloride
151		0712000405	Des Plaines River	IL_G-15	3.52	Aquatic Life	Oxygen, Dissolved
152		0712000405	Des Plaines River	IL_G-15	3.52	Aquatic Life	Phosphorus (Total)
153		0712000405	Des Plaines River	IL_G-15	3.52	Aquatic Life	Sedimentation/Siltation
154		0712000405	Des Plaines River	IL_G-15	3.52	Fish Consumption	Mercury
155	Medium	0712000405	Des Plaines River	IL_G-15	3.52	Fish Consumption	Polychlorinated biphenyls
150	M - J'	0712000405	Dag Disings Disc	п. С.15	2.52	Primary Contact	Food California
156		0712000405	Des Plaines River	IL_G-15 IL_G-22	3.52	Recreation	Fecal Coliform
157		0712000405	Des Plaines River	_	4.31	Aquatic Life	Arsenic Chloride
158		0712000405 0712000405	Des Plaines River Des Plaines River	IL_G-22 IL_G-22	4.31	Aquatic Life	Methoxychlor
159		0712000405	Des Plaines River Des Plaines River	IL_G-22 IL_G-22	4.31	Aquatic Life	Phosphorus (Total)
160 161		0712000405	Des Plaines River Des Plaines River	IL_G-22 IL_G-22	4.31	Aquatic Life Aquatic Life	Total Suspended Solids (TSS)
162		0712000405	Des Plaines River Des Plaines River	IL_G-22	4.31	Fish Consumption	Mercury Mercury
163		0712000405	Des Plaines River Des Plaines River	IL_G-22 IL_G-22	4.31	Fish Consumption Fish Consumption	Polychlorinated biphenyls
103	iviediulli	0712000403	Des Flames Kiver	IL_U-22	4.31	Primary Contact	r oryemormated orphenyls
164	Medium	0712000405	Des Plaines River	IL_G-22	4.31	Recreation	Fecal Coliform
165		0712000405	Des Plaines River Des Plaines River	IL_G-22	6.01	Aquatic Life	Cause Unknown
166		0712000403	Des Plaines River	IL_G-26	6.01	Fish Consumption	Mercury
167		0712000405	Des Plaines River	IL_G-26	6.01	Fish Consumption	Polychlorinated biphenyls
107	I TOUI UIII	0/12000+03	Des Fiantes KIVCI	112_0-20	0.01	1311 Consumption	1 oryentormated orphenyis

Appendix A-2. Illinois' 2018 303(d) List (sorted by name)

		Hydrologic					
Order	Priority	Unit Code	Water Name	Assessment ID	Water Size*	Designated Use	Cause
1810	Medium	0514020308	SUGAR CREEK LAKE	IL_RAZO	94	Aesthetic Quality	Total Suspended Solids (TSS)
1853		0512011105	Sugar Creek-North	IL_BM-C2	2.18	Aquatic Life	Phosphorus (Total)
1854		0512011105	Sugar Creek-North	IL_BM-C2	2.18	Aquatic Life	Sedimentation/Siltation
2792	Low	0714020404	Sugar Fork	IL_ODLA-01	18.56	Aquatic Life	Manganese
2793	Low	0714020404	Sugar Fork	IL_ODLA-01	18.56	Aquatic Life	Oxygen, Dissolved
1968		0709000408	Sugar River	IL_PWB-01	5.65	Fish Consumption	Polychlorinated biphenyls
1969		0709000408	Sugar River	IL_PWB-03	4.67	Fish Consumption	Polychlorinated biphenyls
1098		0712000409	Sugar Run	IL_GF-01	7.32	Aquatic Life	Arsenic
1099		0712000409	Sugar Run	IL_GF-01	7.32	Aquatic Life	Manganese
1100		0712000409	Sugar Run	IL_GF-01	7.32	Aquatic Life	Oxygen, Dissolved
1101		0712000409	Sugar Run	IL_GF-01	7.32	Aquatic Life	pH
1102		0712000409	Sugar Run	IL_GF-01	7.32	Aquatic Life	Sedimentation/Siltation
521	Medium	0712000610	SULLIVAN LAKE SUMMERHILL	IL_RTZL	58	Aesthetic Quality	Cause Unknown
2592	Low	0712000610	ESTATE	H WTA	40.0	A acthoria Quality	Phosphorus (Total)
2392	Low	0712000010	SUMMERHILL	IL_WTA	49.9	Aesthetic Quality	Phosphorus (Total)
2593	Low	0712000610	ESTATE	IL_WTA	49.9	A acthotic Quality	Total Suspended Solids (TSS)
		0712000610	SUN	IL_WTA	24	Aesthetic Quality Aesthetic Quality	Total Suspended Solids (TSS) Cause Unknown
500 494		0712000610	SWAN (Indian Lake)	IL_WGZY	4	Aesthetic Quality Aesthetic Quality	Phosphorus (Total)
1314		0712000404	Swanwick Creek	IL_NCK-01	20.7	Aguatic Life	Cause Unknown
784		0714010610	Sycamore Creek	IL_NDCA	5.66	Aquatic Life Aquatic Life	Oxygen, Dissolved
785		0714010608	Sycamore Creek	IL_NDCA	5.66	Aquatic Life	pH
2319		0709000605	SYCAMORE LAKE	IL_RPZG	7.5	Fish Consumption	Mercury
2320		0709000605	SYCAMORE LAKE	IL_RPZG	7.5	Fish Consumption	Polychlorinated biphenyls
205		0712000405	SYLVAN	IL_RGZF	32	Aesthetic Quality	Total Suspended Solids (TSS)
375		0712000407	TAMPIER LAKE	IL_RGZO	161.6	Aesthetic Quality	Total Suspended Solids (TSS)
595		0712000611	TAYLOR	IL_VTZY	8.3	Aesthetic Quality	Phosphorus (Total)
596		0712000611	TAYLOR	IL_VTZY	8.3	Aesthetic Quality	Total Suspended Solids (TSS)
42		0713001203	Taylor Creek	IL DAF-01	24.1	Aquatic Life	Manganese
43		0713001203	Taylor Creek	IL_DAF-01	24.1	Aquatic Life	Total Suspended Solids (TSS)
2009		0713000702	TAYLORVILLE	IL_REC	1148	Aquatic Life	pH
2010		0713000702	TAYLORVILLE	IL_REC	1148	Aquatic Life	Turbidity
2011	Medium	0713000702	TAYLORVILLE	IL_REC	1148	Fish Consumption	Chlordane
2012	Medium	0713000702	TAYLORVILLE	IL_REC	1148	Fish Consumption	Mercury
1329	Medium	0514020404	Tenmile Creek	IL_ATFI-MC-C4	3.02	Aquatic Life	Cause Unknown
1330	Medium	0514020404	Tenmile Creek	IL_ATFI-MC-D1	8.94	Aquatic Life	Oxygen, Dissolved
2396		0711000408	The Sny	IL_KC-04	19.95	Aquatic Life	Iron
404		0712000402	THIRD	IL_RGW	162	Aesthetic Quality	Phosphorus (Total)
405		0712000402	THIRD	IL_RGW	162	Aesthetic Quality	Total Suspended Solids (TSS)
1838		0713000306	THOMPSON	IL_WDL	3783	Fish Consumption	Mercury
839	Medium	0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	Aldrin Aldrin
840		0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	Chlordane
841		0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	DDT
842		0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	Dieldrin Dieldrin
843		0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	Endrin
844		0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	Hexachlorobenzene
2624	Low	0712000302	Thorn Creek	IL_HBD-02	3.84	Aquatic Life	Oxygen, Dissolved
845	Medium Medium	0712000302 0712000302	Thorn Creek Thorn Creek	IL_HBD-02 IL_HBD-02	3.84	Aquatic Life	Phosphorus (Total)
2625	Medium Low	0712000302	Thorn Creek Thorn Creek	IL_HBD-02	3.84	Aquatic Life Aquatic Life	Polychlorinated biphenyls Silver
847	Medium	0712000302	Thorn Creek Thorn Creek	IL_HBD-02	3.84	Aquatic Life Aquatic Life	Total Suspended Solids (TSS)
2626	Low	0712000302	Thorn Creek Thorn Creek	IL HBD-02	3.84	Aquatic Life Aquatic Life	Zinc
2020	LOW	0712000302	THOTH CICCK	1L_11DD-02	3.04	Primary Contact	Zille
2627	Low	0712000302	Thorn Creek	IL HBD-02	(3.84)	Recreation	Fecal Coliform
2628	Low	0712000302	Thorn Creek	IL HBD-03	6.52	Aquatic Life	Oxygen, Dissolved
2020	20 **	0712000302	I HOIH CICK	111111111111111111111111111111111111111	0.52	Primary Contact	Onjgon, Dissolved
2629	Low	0712000302	Thorn Creek	IL_HBD-03	6.52	Recreation	Fecal Coliform
848		0712000302	Thorn Creek Thorn Creek	IL HBD-04	4.32	Aquatic Life	Aldrin
849		0712000302	Thorn Creek	IL HBD-04	4.32	Aquatic Life	Chlordane
2630	Low	0712000302	Thorn Creek	IL HBD-04	4.32	Aquatic Life	Chloride
850		0712000302	Thorn Creek	IL HBD-04	4.32	Aquatic Life	DDT
851		0712000302	Thorn Creek	IL_HBD-04	4.32	Aquatic Life	Dieldrin
852		0712000302	Thorn Creek	IL_HBD-04	4.32	Aquatic Life	Endrin)
<u> </u>		0712000002	THOM CIOCK	12_11DD 0 F	1.54	- Iquatic Dife	210111

Appendix A-2. Illinois' 2018 303(d) List (sorted by name)

		Hydrologic					
Order	Priority	Unit Code	Water Name	Assessment ID	Water Size*	Designated Use	Cause
853	Medium	0712000302	Thorn Creek	IL_HBD-04	4.32	Aquatic Life	Hexachlorobenzene
2631	Low	0712000302	Thorn Creek	IL_HBD-04	4.32	Aquatic Life	Oxygen, Dissolved
854	Medium	0712000302	Thorn Creek	IL_HBD-04	4.32	Aquatic Life	Phosphorus (Total)
855	Medium	0712000302	Thorn Creek	IL_HBD-04	4.32	Aquatic Life	Polychlorinated biphenyls
						Primary Contact	• •
2632	Low	0712000302	Thorn Creek	IL HBD-04	4.32	Recreation	Fecal Coliform
856		0712000302	Thorn Creek	IL HBD-05	2.92	Aquatic Life	Hexachlorobenzene
857		0712000302	Thorn Creek	IL_HBD-05	2.92	Aquatic Life	Phosphorus (Total)
						Primary Contact	(
2633	Low	0712000302	Thorn Creek	IL_HBD-05	2.92	Recreation	Fecal Coliform
858	Medium	0712000302	Thorn Creek	IL HBD-06	2.21	Aquatic Life	Aldrin
859		0712000302	Thorn Creek	IL HBD-06	2.21	Aquatic Life	Chloride
860		0712000302	Thorn Creek	IL HBD-06	2.21	Aquatic Life	Dieldrin
861		0712000302	Thorn Creek	IL_HBD-06	2.21	Aquatic Life	Hexachlorobenzene
2634	Low	0712000302	Thorn Creek	IL HBD-06	2.21	Aquatic Life	Oxygen, Dissolved
862	Medium	0712000302	Thorn Creek	IL HBD-06	2.21	Aquatic Life	Phosphorus (Total)
002	Micarani	0712000302	THOM CICCK	IL_IIDD 00	2.21	Primary Contact	Thospholas (Total)
2635	Low	0712000302	Thorn Creek	IL_HBD-06	2.21	Recreation Recreation	Fecal Coliform
2033	LOW	Lake Michigan	THOM CICCK	IL_IIDD 00	2.21	recreation	1 ccar contorni
2504	Low	Beaches	Thorndale Beach	IL_QN-13	0.69	Fish Consumption	Mercury
2304	LOW	Lake Michigan	Thorndale Beach	IL_Q14-13	0.07	Tish Consumption	Nicicuty
2505	Low	Beaches	Thorndale Beach	IL_QN-13	0.69	Fish Consumption	Polychlorinated biphenyls
2303	LOW	Deaches	TIMBER LAKE	IL_QN-13	0.09	Tish Consumption	r oryemormated orphenyis
2602	Τ	0712000611		II DTZO	22	A south sation Ossolitas	Dhaanhama (Tatal)
2602	Low	0712000611	(SOUTH) TIMBER LAKE	IL_RTZQ	33	Aesthetic Quality	Phosphorus (Total)
2602	_	0712000611		H DEZO	22	A 41 41 O 114	T (1 G 1 1 1 (TGG)
2603		0712000611	(SOUTH)	IL_RTZQ	33	Aesthetic Quality	Total Suspended Solids (TSS)
755	Medium	0712000304	Tinley Creek	IL_HF-01	9.49	Aquatic Life	Cause Unknown
2.400		Lake Michigan		T 037 04	0.44	Ti i G	
2480	Low	Beaches	Touhy (Leone) Beach	IL_QN-01	0.41	Fish Consumption	Mercury
		Lake Michigan					L
2481	Low	Beaches		IL_QN-01	0.41	Fish Consumption	Polychlorinated biphenyls
2597	Low	0712000611	,	IL_RTZF	69	Aesthetic Quality	Phosphorus (Total)
2598	Low	0712000611	TOWER (LAKE)	IL_RTZF	69	Aesthetic Quality	Total Suspended Solids (TSS)
						Primary Contact	
2599	Low	0712000611	TOWER (LAKE)	IL_RTZF	69	Recreation	Fecal Coliform
		Lake Michigan					
2456	Low	Beaches	Tower Beach	IL_QK-06	1.17	Fish Consumption	Mercury
		Lake Michigan					
2457	Low	Beaches	Tower Beach	IL_QK-06	1.17	Fish Consumption	Polychlorinated biphenyls
1156		0714020208	Town Creek	IL_OJK-02	7.02	Aquatic Life	Sedimentation/Siltation
1157		0714020208	Town Creek	IL_OJK-03	2.04	Aquatic Life	Phosphorus (Total)
926		0714020401	Trenton Creek	IL_OHF-TR-A1	1.3	Aquatic Life	Cause Unknown
927		0714020401	Trenton Creek	IL_OHF-TR-C1	0.97	Aquatic Life	Phosphorus (Total)
928		0714020401	Trenton Creek	IL_OHF-TR-C1	0.97	Aquatic Life	Sludge
929		0714020401	Trenton Creek	IL_OHF-TR-C3	2.03	Aquatic Life	Phosphorus (Total)
1417		0714020405	Troy Creek	IL_ODMA-TR-C3	0.3	Aquatic Life	Phosphorus (Total)
1345		0514020605	Tucker Ditch	IL_ADCF	5.97	Aquatic Life	Oxygen, Dissolved
2590	Low	0712000610	TURNER	IL_VTZA	43	Aesthetic Quality	Phosphorus (Total)
2591	Low	0712000610	TURNER	IL_VTZA	43	Aesthetic Quality	Total Suspended Solids (TSS)
756	Medium	0712000304	TURTLEHEAD	IL_RHS	12	Aesthetic Quality	Phosphorus (Total)
						Primary Contact	
1120	Medium	0712000612	Tyler Creek	IL_DTZP-02	16.38	Recreation	Fecal Coliform
948	Medium	0712000406	Union Ditch	IL_GGC-FN-A1	4.08	Aquatic Life	Oxygen, Dissolved
949	Medium	0712000406	Union Ditch	IL_GGC-FN-A1	4.08	Aquatic Life	Sedimentation/Siltation
950		0712000406	Union Ditch	IL_GGC-FN-C1	1.23	Aquatic Life	Ammonia (Total)
951		0712000406	Union Ditch	IL_GGC-FN-C1	1.23	Aquatic Life	Chloride
952		0712000406	Union Ditch	IL_GGC-FN-C1	1.23	Aquatic Life	Oxygen, Dissolved
953		0712000406	Union Ditch	IL_GGC-FN-C1	1.23	Aquatic Life	Phosphorus (Total)
954		0712000406	Union Ditch	IL_GGC-FN-C1	1.23	Aquatic Life	Sedimentation/Siltation
			Upper Salt Fork Drainage				
1786	Medium	0512010903	Ditch	IL_BPJG-01	24.05	Aesthetic Quality	Phosphorus (Total)
00		1111111111	Upper Salt Fork Drainage		25	- Zumij	
1787	Medium	0512010903	Ditch	IL_BPJG-01	24.05	Aquatic Life	Oxygen, Dissolved
0 /	1	1				1 11	1 ,