

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***RESEARCH AND DEVELOPMENT
DEPARTMENT***

REPORT NO. 03-3-B

*SENSITIVE AREA CONSIDERATIONS FOR
OUTFALLS DESIGNATED IN NPDES PERMITS FOR THE CALUMET,
NORTH SIDE AND STICKNEY WATER RECLAMATION PLANTS*

*IL0028061 - Calumet Water Reclamation Plant
IL0028088 - North Side Water Reclamation Plant
IL0028053 - Stickney Water Reclamation Plant*

VOLUME 2

APPENDICES

February 2003

**SENSITIVE AREA CONSIDERATIONS FOR
OUTFALLS DESIGNATED IN NPDES PERMITS FOR THE CALUMET,
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IL0028053 - Stickney Water Reclamation Plant**

VOLUME 2

APPENDICES

By

**Richard Lanyon
Director of Research and Development**

**Irwin Polls
Microbiologist IV**

**Jennifer Wasik
Biologist I**

APPENDIX I

**TYPICAL LETTERS SEEKING INFORMATION AND
TABULATION OF RESPONSES RECEIVED**

Protecting Our Water Environment

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312-751-5600

Richard Lanyon
Director of Research & Development
312-751-5190

March 25, 2002

Mr. John D. Rogner
Field Supervisor
U.S. Fish and Wildlife Services
1250 S. Grove Avenue, 103
Barrington, IL 60010

Dear Mr. Rogner:

Subject: NPDES Permit Number IL0028061, Discharge Number 151

The Metropolitan Water Reclamation District of Greater Chicago is obligated by the subject permit issued by the Illinois Environmental Protection Agency (IEPA) to submit documentation to indicate that the subject discharge does or does not discharge to a sensitive area. We are writing this letter to you to request any information that you have which may bear on this issue. Please respond to this letter within 30 days of receipt thereof.

Enclosed is a map and stream cross-section to identify the location of this discharge.

Sensitive areas are defined by the United States Environmental Protection Agency (USEPA) in the 1994 Combined Sewer Overflow Policy, found in the *Federal Register*, Volume 59, Number 75, Tuesday, April 19, 1994, page 18692. Sensitive areas include:

1. Designated Outstanding National Resource Waters.
2. National Marine Sanctuaries.
3. Waters with threatened or endangered species and their habitat.
4. Shellfish beds.
5. Waters with primary contact recreation.
6. Public drinking water intakes or their designated protection areas

It is believed that the first four categories above are the subject of regulations administered by federal agencies, such as, the USEPA or the U.S. Fish and Wildlife Service (USF&WS). These may also be subject to State of Illinois regulations administered by comparable state agencies. The latter two categories are the subject of Rules adopted by the Illinois Pollution Control Board and administered by the IEPA. Therefore, we are sending this inquiry to the USEPA, USF&WS, Illinois Department of Natural Resources and IEPA. However, any other organization receiving this notice may supply pertinent information on the above categories as well as other matters regarding use of or access to the waters in the vicinity of the discharge.

Mr. John D. Rogner

2

March 25, 2002

Subject: NPDES Permit Number IL0028061, Discharge Number 151

Be advised that the Illinois Pollution Control Board has defined primary contact as "Any recreational or other water use in which there is prolonged and intimate contact with the water involving considerable risk of ingesting water in quantities sufficient to pose a significant health hazard, such as swimming and water skiing." (35 IAC Section 301.355)

For your convenience, a response form is also enclosed. Please complete this form and return it, together with all supporting documentation, to the undersigned.

In addition, we are also enclosing a table showing all organizations to which this notice and notices for other discharges are being sent. If you believe that other organizations may have information that bears on this matter, please include their name and address in your response.

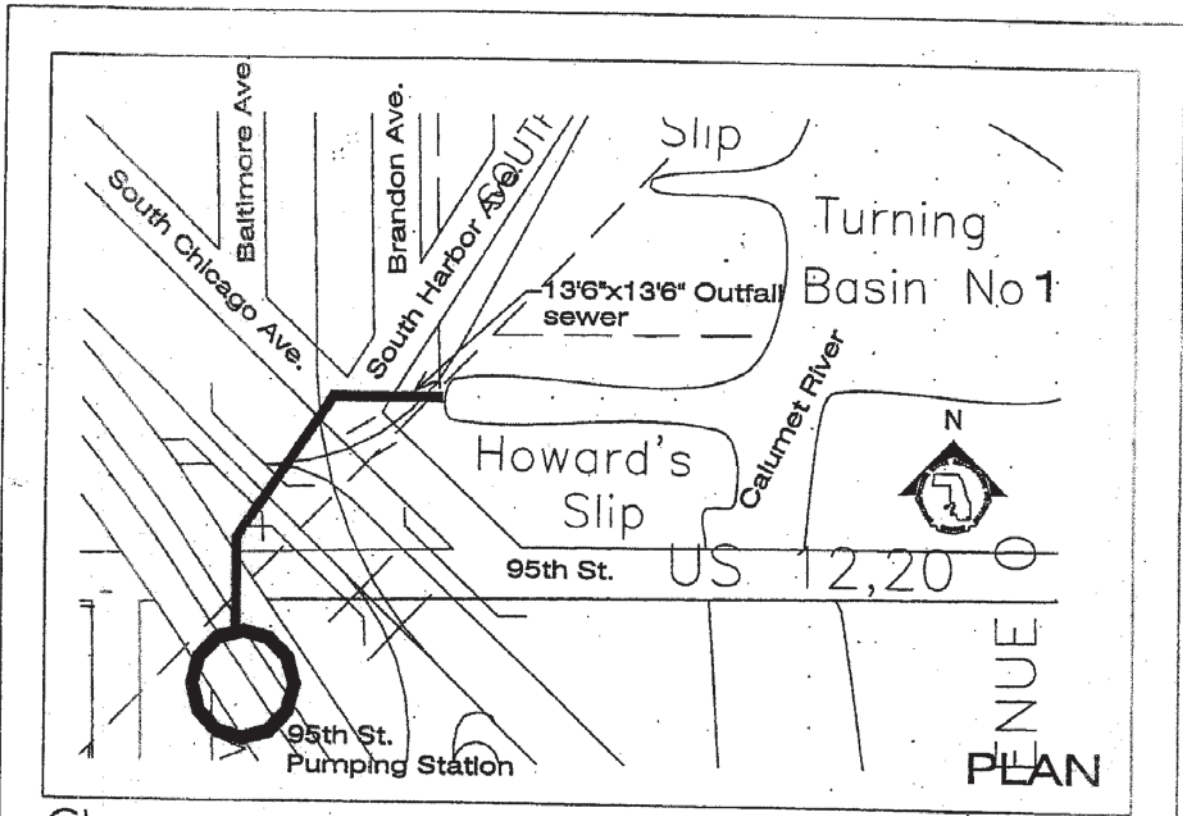
Thank you for your assistance in this matter.

Very truly yours,

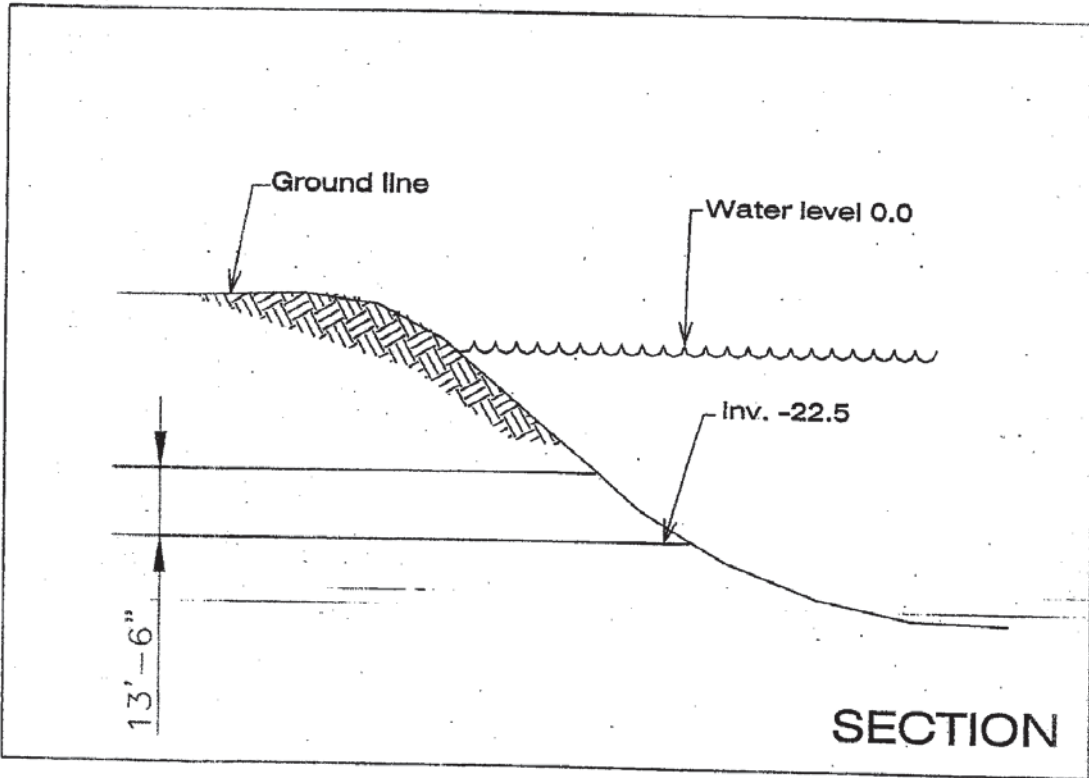
Signature on file

Richard Lanyon
Director
Research and Development

RL:js
Enclosures



Chicago



AI-3

DISCHARGE #151

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: _____

Name of Person Responding: _____

Address: _____

Telephone Number: _____

Signature of respondent: _____

**Subject: NPDES Permit Number IL0028061
Discharge Number 151**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

SENSITIVE AREA INQUIRY MATRIX BY DISCHARGE NUMBER
INQUIRY LIST

AI-5

Acronym	Name of Organization and Addressee
USEPA	U.S. Environmental Protection Agency Region V (Traub)
USF&WS	U.S. Fish and Wildlife Service (Rogner)
IDNR, DOF	Illinois Department of Natural Resources, Division of Fisheries (Conlin)
IDNR, NHS	Illinois Department of Natural Resources, Natural History Survey (Thomas)
IDNR, RRC	Illinois Department of Natural Resources, Division of Resource Review and Coordination (Branham)
IDPH, DOEH	Illinois Department of Public Health, Division of Environmental Health (Metz)
IEPA, BOW	Illinois EPA, Bureau of Water (Willhite)
CCFPD	Cook County Forest Preserve District (Nevius)
CDOE	City of Chicago, Department of Environment (Jimenez)
CDOW	City of Chicago, Department of Water (Rice)
CPD	Chicago Park District (Doig)
Blue Island	City of Blue Island (Peloquin, Mayor)
Wilmette	Village of Wilmette (Canafax, Mayor)
Evanston	City of Evanston (Morton, Mayor)
Skokie	Village of Skokie (Van Dusen, President)
Des Plaines	City of Des Plaines (Arredia, Mayor)
Park Ridge	City of Park Ridge, (Wietecha, Mayor)
Westchester	City of Westchester (Sinde, Mayor)
Elmwood Park	City of Elmwood Park (Silvestri, President)
River Forest	Village of River Forest (Paris, President)
Maywood	Village of Maywood (Conner, Mayor)
Broadview	Village of Broadview (Vicenik, Mayor)
Rosemont	Village of Rosemont (Stephens, President)
Schiller Park	Village of Schiller Park (Montana, President)
Forest Park	Village of Forest Park (Calderone, Mayor)

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

SENSITIVE AREA INQUIRY MATRIX BY DISCHARGE NUMBER

Respondent	Permit IL 0028061 Discharge Nos.						Permit IL 0028088 Discharge Nos.						Permit IL 0028053 Discharge Nos.						
	151	152	165	166	167	168	101	102	103	104	109	110	131	132	133	134	135	136	150
USEPA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
USF&WS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IDNR, DOF	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IDNR, NHS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IDNR, RRC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IDPH, DOEH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IEPA, BOW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCFPD											X		X	X	X	X	X		
CDOE	X	X												X	X				
CDOW	X																		
CPD	X																		
Blue Island			X	X	X	X													
Wilmette							X												
Evanston							X	X	X	X									
Skokie									X	X		X							
Des Plaines											X				X				
Park Ridge													X		X				
Westchester																			X

A1-6

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

SENSITIVE AREA INQUIRY MATRIX BY DISCHARGE NUMBER (Continued)

<u>Respondent</u>	<u>Permit IL 0028061 Discharge Nos.</u>						<u>Permit IL 0028088 Discharge Nos.</u>						<u>Permit IL 0028053 Discharge Nos.</u>						
	151	152	165	166	167	168	101	102	103	104	109	110	131	132	133	134	135	136	150
Elmwood Park																	X		
River Forest																	X		
Maywood																	X	X	
Broadview																			X
Rosemont													X						
Schiller Park														X					
Forest Park																			X

Protecting Our Water Environment

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312-751-5600

Richard Lanyon
Director of Research & Development

April 16, 2002

312-751-5190

Mr. Mike Conlin
Division Chief of Fisheries
Illinois Department of Natural Resources
524 South Second Street
Springfield, IL 62701-1787

Dear Mr. Conlin:

Subject: NPDES Permit Number IL0028061, Discharge Numbers 166 and 167

The Metropolitan Water Reclamation District of Greater Chicago is obligated by the subject permit issued by the Illinois Environmental Protection Agency (IEPA) to submit documentation to indicate that the subject discharge does or does not discharge to a sensitive area. We are writing this letter to you to request any information that you have which may bear on this issue. Please respond to this letter within 30 days of receipt thereof.

Enclosed is a map and stream cross-section to identify the location of this discharge.

Sensitive areas are defined by the United States Environmental Protection Agency (USEPA) in the 1994 Combined Sewer Overflow Policy, found in the *Federal Register*, Volume 59, Number 75, Tuesday, April 19, 1994, page 18692. Sensitive areas include:

1. Designated Outstanding National Resource Waters.
2. National Marine Sanctuaries.
3. Waters with threatened or endangered species and their habitat.
4. Shellfish beds.
5. Waters with primary contact recreation.
6. Public drinking water intakes or their designated protection areas

It is believed that the first four categories above are the subject of regulations administered by federal agencies, such as, the USEPA or the U. S. Fish and Wildlife Service (USF&WS). These may also be subject to State of Illinois regulations administered by comparable state agencies. The latter two categories are the subject of Rules adopted by the Illinois Pollution Control Board and administered by the IEPA. Therefore, we are sending this inquiry to the USEPA, USF&WS, Illinois Department of Natural Resources and IEPA. However, any other organization receiving this notice may supply pertinent information on the above categories as well as other matters regarding use of or access to the waters in the vicinity of the discharge.

Mr. Mike Conlin

2

April 16, 2002

Subject: NPDES Permit Number IL0028061, Discharge Numbers 166 and 167

We have recently been informed by the IEPA that there are no Designated Outstanding National Resource Waters (No. 1 above) and National Marine Sanctuaries (No. 2 above) in Illinois. Further, IEPA advises that the only public drinking water intakes (No. 6 above) located in the Chicago area are in Lake Michigan. Therefore, in responding to this inquiry, you may disregard these three categories unless you have information contrary to the findings of the IEPA.

Be advised that the Illinois Pollution Control Board has defined primary contact as "Any recreational or other water use in which there is prolonged and intimate contact with the water involving considerable risk of ingesting water in quantities sufficient to pose a significant health hazard, such as swimming and water skiing." (35 IAC Section 301.355)


For your convenience, a response form is also enclosed. Please complete this form and return it, together with all supporting documentation, to the undersigned.

In addition, we are also enclosing a table showing all organizations to which this notice and notices for other discharges are being sent. If you believe that other organizations may have information that bears on this matter, please include their name and address in your response.

Thank you for your assistance in this matter.

Very truly yours,

Signature on file

Richard Lanyon 
Director
Research and Development

RL:js
Enclosures

Metropolitan Water Reclamation District of Greater Chicago

TABLE AI-1

Sensitive Area Inquiry Response Status by Discharge Number

Permit IL 0028061

Discharge No. 151

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
NA	USF&WS	X	
	IDNR, DOF		X
NA	IDNR, NHS	X	
6/04/02	IDNR, RRC	X	
4/30/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
	CDOE		X
4/22/02	CDOW	X	
4/25/02	CPD	X	

Discharge No. 152

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
5/08/02	USF&WS	X	
	IDNR, DOF		X
NA	IDNR, NHS	X	
5/23/02 & 6/04/02	IDNR, RRC	X	
4/30/02	IDPH, DOEH	X	
	IEPA, BOW		X
5/10/02	CDOE	X	

Discharge No. 165

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
5/08/02	USF&WS	X	
	IDNR, DOF		X
NA	IDNR, NHS	X	
6/04/02	IDNR, RRC	X	
4/30/02	IDPH, DOEH	X	
	IEPA, BOW		X
	City of Blue Island		X

Discharge No. 166 & 167

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/22/02	USEPA	X	
5/08/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
6/04/02	IDNR, RRC	X	
4/30/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
NA	City of Blue Island	X	

Discharge No. 168

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/22/02	USEPA	X	
5/31/02	USF&WS	X	
	IDNR, DOF		X
NA	IDNR, NHS	X	
6/04/02	IDNR, RRC	X	
4/30/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
NA	City of Blue Island	X	

Permit IL 0028088
Discharge No. 101

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
6/10/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
6/03/02	IDNR, RRC	X	
6/10/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
NA	Wilmette	X	
NA	Evanston	X	

Discharge No. 102

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
6/10/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
6/05/02	IDNR, RRC	X	
6/10/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
NA	Evanston	X	

Discharge No. 103

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
6/10/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
6/05/02	IDNR, RRC	X	
6/10/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
NA	Evanston	X	
	Skokie		X

Discharge No. 104

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
6/24/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
7/08/02	IDNR, RRC	X	
6/10/02	IDPH, DOEH	X	
	IEPA, BOW		X
NA	Evanston	X	
	Skokie		X

Discharge No. 109

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
7/09/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/21/02	IDNR, RRC	X	
6/10/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
	CCFPD		X
NA	Des Plaines	X	

Discharge No. 110

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
7/09/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/21/02	IDNR, RRC	X	
6/10/02	IDPH, DOEH	X	
NA	IEPA, BOW	X	
	Skokie		X

Permit IL 0028053
Discharge No. 131

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
7/24/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		
NA	IEPA, BOW	X	
	CCFPD		X
6/25/02	Park Ridge	X	

Discharge No. 132

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
	USF&WS		X
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		X
	IEPA, BOW		X
	CCFPD		X
	CDOE		X
6/22/02	Rosemont	X	

Discharge No. 133

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
	USF&WS		X
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		X
7/23/02	IEPA, BOW	X	
	CCFPD		X
	CDOE		X
7/06/02	Des Plaines	X	
6/28/02	Park Ridge	X	

Discharge No. 134

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
8/6/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		X
NA	IEPA, BOW	X	
	CCFPD		X
	Elmwood Park		X
	River Forest		X

Discharge No. 135

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
8/30/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		X
NA	IEPA, BOW	X	
	CCFPD		X
	River Forest		X
	Maywood		x

Discharge No. 136

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
8/30/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		X
NA	IEPA, BOW	X	
	CCFPD		X
	Maywood		X
8/26/02	Forest Park	X	

Discharge No. 150

<u>Date</u>	<u>Respondent</u>	<u>Yes</u>	<u>No</u>
5/28/02	USEPA	X	
8/30/02	USF&WS	X	
	IDNR, DOF		X
	IDNR, NHS		X
10/22/02	IDNR, RRC	X	
	IDPH, DOEH		X
	IEPA, BOW		X
	Westchester		X
	Broadview		X

APPENDIX II

**RESPONSE FROM USEPA REGION V ON
SENSITIVE AREA CLASSIFICATIONS**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

MAY 28 2002

REPLY TO THE ATTENTION OF:

WN-16J

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Re: Sensitive areas information

Dear Mr. Lanyon:

This is in response to a series of letter beginning with your letter of March 25, 2002, regarding information on any sensitive areas in the proximity of combined sewer overflows (CSO) operated by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). This information is being sought in response to conditions in recently reissued NPDES permits for three MWRDGC facilities.

We have the following general responses regarding the six types of sensitive area classification:

1. Designated Outstanding National Resource Waters: It is our understanding that there are no Designated Outstanding National Resource Waters within the State of Illinois at this time.
2. National Marine Sanctuaries: We believe that these are established and managed by the National Oceanic and Atmospheric Administration (NOAA). Our review of NOAA's website suggests that there is only one National Marine Sanctuary in the Great Lakes (Thunder Bay Michigan). Therefore we do not think this category applies to CSO discharges in Metropolitan Chicago area.
3. Waters with threatened or endangered species and their habitat: The U.S. Fish and Wildlife Service (USFWS) will have information within these categories. We understand that you will also be contacting USFWS to request this information.
4. Shellfish beds: We do not have information sufficient to answer this question. We believe that the Illinois Department of Natural Resources would be the best source of such information.
5. Waters with primary contact recreation: We understand from the NPDES permit condition to which you are responding, that you are seeking information on the use or

potential use of the receiving waters for primary contact recreation. We also understand from your letter that you are not seeking information on this category from the Federal agencies. Because of the nature of the information being sought, we suggest that you contact Chicago Park District, the Chicago Department of Public Health and local groups or organizations (such as the Friends of the Chicago River). We also recommend to you the findings of the report entitled "People and the River, Perceptions and Use of Chicago Waterways for Recreation (1998)." This report was produced by the Chicago Rivers Demonstration Project, with the participation of various organizations, including MWRDGC.

- 6. Public drinking water intakes or their designated protection areas: We understand that you will be seeking this information from the Illinois Environmental Protection Agency, and are not requesting information from the U.S. Environmental Protection Agency at this time.

If you have any questions on this matter please feel free to contact me, or contact Peter Swenson of my staff at 312-886-0236.

Sincerely yours,

Jo Lynn Traub
Signature on file

Jo Lynn Traub
Jo Lynn Traub, Director
Water Division

DIR. OF R & D
2002 JUN - 3 AM 11:58
M.W.R.D.
OF GRTR. CHGO.

APPENDIX III

WATER QUALITY INVESTIGATION

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE C: WATER POLLUTION
CHAPTER II: ENVIRONMENTAL PROTECTION AGENCY
PART 375: COMBINED SEWER OVERFLOW EXCEPTION CRITERIA
AND FIRST FLUSH DETERMINATION
SUBPART B: WATER QUALITY INVESTIGATION

Section 375.203 Phase II - Preliminary Stream Inspection

This phase requires a physical inspection of the receiving water body and near stream property. Additionally, any necessary elements missing from the Phase I background report shall be addressed in this step. Factors to be considered include:

- a) Inspection of stream in and around vicinity of each overflow for sludge deposits, sewage related odors, floating debris of sanitary sewage origin, and any other visible signs of pollution impact. Inspection techniques shall be selected so as to assure maximum reliability of the results including:
 - 1) probing, disturbance and extraction of bottom sediments in pools and other quiescent portions of stream to note color, texture, odor and other aspects of sediments that are indicative of sewage sludge;
 - 2) estimates of extent and severity of sludge deposition in terms of depth of deposition, area of stream affected and percentage of stream bed within affected area that contains sludge deposits; and
 - 3) inspection of shoreline vegetation, logjams and other obstructions likely to retain floating sewage debris.
- b) Stream Hydraulics:
 - 1) Stream hydraulic factors shall be identified including: average width of stream channel from bank to bank, height of stream banks above thalweg, stream bed gradient.
 - 2) For receiving streams with a 7Q10 (average seven day low flow which occurs once in 10 years) flow greater than 10 cubic feet per second this information can be omitted, substituting the 7Q10 value.
- c) Stream morphological factors including:
 - 1) substrate type;
 - 2) variation of structure via natural meandering, pool and riffle sequence;
 - 3) degree of dredging, channelization or other alteration of natural stream character; and

- 4) accumulation of logjams and other naturally occurring vegetative debris.
- d) Description of stream side property including:
- 1) topography;
 - 2) land cover including forested, agricultural row crop, marsh, grass buffer strip, residential lawn, and
 - 3) land use if not already identified in Section 375.202(a)(4) including a specific determination if affected area is utilized by or accessible to children for recreational activities.

APPENDIX IV

CALUMET RIVER AT DISCHARGE NUMBER 151

Calumet River Discharge Number 151

On May 9, 2002, aquatic and riparian habitat surveys were conducted in the Calumet River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 151.

The average seven-day, ten-year low flow below CSO No. 151 in the Calumet River is estimated to be 12.0 cfs. The width of the study reach is 350 feet. Side depths range from 17 to 21 feet, while the depth in the center of the river is 30 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. Throughout the study reach, natural channel stream banks have been replaced with steel sheet piling. These man-made river walls generally extend 8 to 10 feet above the normal water level.

Riparian land cover includes urban commercial and urban industrial. Riparian land topography is relatively flat.

Direct access to the river from nearby stream banks is severely limited, or at best difficult because of the steel sheet piling. Access to the water from boats is possible, however, boat launching facilities and marinas are remote.

No sanitary odor was noted in the water or sanitary debris along the banks of the study area. There were no logjams or vegetative debris in the waterway reach. No aquatic vegetation was observed in the study reach.

In the center of the river, the sediment was composed primarily of clay. The sediment along the right side of the waterway was a mixture of silt, clay, gravel, and sand. Along the left side, clay was the principal substrate type. The color of the sediment ranged from gray to brown. Sediment probing was not conducted in the center of the river due to the extreme water depth of 30 feet. Sediment deposition along the sides ranged from 0.4 to 0.6 feet. Evidence of oil in the sediment was observed along the left side, 200 feet below the CSO. No organic sludge of sanitary origin was observed in the study area sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is away from Lake Michigan and towards the O'Brien Lock.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 12 : 00

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 151 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 21 Channel Width (ft) 306

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	<u>80</u>	%
	Silt (Organic)	<u>10</u>	%
	Sand (<2mm diameter)	<u>10</u>	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Grey Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use (Visual Observation)	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks Measurements taken in main channel of Calumet River at 50 feet and
200 feet downstream of Howard Slip. Coordinates—N 41d 43m 25.5s , W 87d 32m 36.6s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 12 : 15

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 151 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 31 Channel Width (ft) 306

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>100</u>	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

Measurements taken in main channel of Calumet River at 50 feet and 200 feet downstream of Howard Slip. Coordinates—N 41d 43m 23.9s , W 87d 32m 36.6s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 12 : 20

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 151 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 18 Channel Width (ft) 306

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>20</u>	%
Silt (Organic)	<u>60</u>	%
Sand (<2mm diameter)	<u>5</u>	%
Gravel (2mm to <16mm diameter)	<u>15</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.5

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	<u>100</u>	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 12 : 30

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 151 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 17 Channel Width (ft) 306

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Plant Debris	_____	%
	Clay	<u>5</u>	%
	Silt (Organic)	<u>85</u>	%
	Sand (<2mm diameter)	<u>5</u>	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	<u>5</u>	%
	Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%	

Sediment Color Brown Sediment Odor Oily

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (in feet using 1 inch diameter probe) 0.6

Riparian Land Use <small>(Visual Observation)</small>	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 12 : 35

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 151 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 30 Channel Width (ft) 306

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fenced industrial sites and sheet piling channel walls on both sides

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>100</u>	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

Measurements taken in main channel of Calumet River at 50 feet and

200 feet downstream of Howard Slip. Coordinates--N 41d 43m 25.5s , W 87d 32m 36.6s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 12 : 40

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 151 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 18 Channel Width (ft) 306

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Plant Debris	_____	%
	Clay	<u>10</u>	%
	Silt (Organic)	<u>75</u>	%
	Sand (<2mm diameter)	<u>5</u>	%
	Gravel (2mm to <16mm diameter)	<u>10</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.4

Riparian Land Use <small>(Visual Observation)</small>	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

Measurements taken in main channel of Calumet River at 50 feet and

200 feet downstream of Howard Slip. Coordinates--N 41d 43m 25.5s , W 87d 32m 36.6s



City of Chicago
Richard M. Daley, Mayor

Department of Water

Richard A. Rice
Commissioner

Claude M. Wilson
Deputy Commissioner

Bureau of Water Treatment
1000 East Ohio Street
Chicago, Illinois 60611
(312) 744-3702
(312) 742-1092 (FAX)

<http://www.cityofchicago.org/water>

John F. Spatz Jr.
Interim Deputy Commissioner
Department of Water, Bureau of Water Treatment
1000 East Ohio Street
Chicago, Illinois 60611

April 22, 2002

Mr. Richard Lanyon
Director of Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Re: NPDES Permit Number IL0028061, Discharge Number 151

Dear Mr. Lanyon:

The Department of Water, Bureau of Water Treatment, has reviewed the inquiry and related information and completed the Sensitive Area Response Form. After examining our records, the Bureau determined that the subject discharge does fall within the category of sensitive area related to public drinking water intakes or their designated protection areas.

The South Water Purification Plant is located at 3300 East Cheltenham Place, approximately 78th street south. The South Water Purification Plant is surrounding both north and south by recreational beaches. The South Water Purification Plant's shore intake is approximately two miles north of the Calumet River (see attached maps).

When the Calumet River flows into Lake Michigan, during periods of heavy rainfall and high winds, the resulting water quality at the South Water Purification Plant's shore intake could pose a significant health hazard. Presently, the Department of Water increases monitoring and testing during all periods of discharge back into the lake. The attached Lake Discharge Log Sheet is completed for all lake discharges. The Log Sheet also contains all the other agencies that are contacted during periods of lake discharge.

If you have any questions or comments, please contact me at
(312) 744-3703.

Very truly yours,
Signature on file

John F. Spatz Jr.
Interim Deputy Commissioner

JS:sh
Attachments

AIV-14



**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: City of Chicago, Department of Water

Name of Person Responding: John F. Spatz Jr., Interim Deputy Commissioner

Address: Jardine Water Purification Plant

1000 East Ohio Street

Chicago, Illinois 60611

Telephone Number: (312) 744-3703

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number 151**

We have examined our records and determined that the subject discharge does x / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See Attached Sheet

JWPP CONTROL CENTER

JARDINE WATER PURIFICATION PLANT

LAKE DISCHARGE LOG SHEET

DATE: 13th Oct 01

MWRD CALLER'S NAME	TIME OF CALL	LOCATION	DISCHARGE TIME (HRS.)		FEIII NAME	REMARKS
			OPEN	CLOSED		
B. Schneck	1800	95th to Howard sep	1755		SZA.	
	0023	11		0015	H.A	A.S

AGENCY TO BE CALLED	CONTACT PERSON	TELEPHONE NUMBER	WHEN TO CALL	DATE/TIME CALLED @ OPENING	FE III INITIALS	DATE/TIME CALLED @ CLOSING	FE III INITIALS
DEPUTY COMMISSIONER WATER TREATMENT	CLAUDE WILSON	W: 744-3702 H: 773-721-2852	IMMEDIATELY	10/13/01 1812	SZA	10-14-01 0100	AT
SOUTH WATER PURIFICATION PLANT	CONTROL ROOM ENGINEER	747-7150	IMMEDIATELY	10/13/01 1814	SZA	10-14-01 0100	A.S.
CHICAGO PARK DISTRICT	COLLEEN ROCK LAKEFRONT DIRECTOR	W: 742-4822 H: 312-656-5431	IMMEDIATELY	10/13/01 1815	SZA	10-14-01 0110	A.S
WATER QUALITY SURVEILLANCE SECTION	FRED SCHULTZ	W: 744-8190 H: 773-631-1935	IMMEDIATELY	10/13/01 1816	SZA	10-14-01 0115	AT
BRIDGE OPERATIONS	24 HOUR EMERGENCY TELEPHONE NUMBERS	744-4200 744-4201	IMMEDIATELY	10/13/01 1817	SZA.	10-14-01 0117	A.S.
DEPARTMENT OF HEALTH	BUREAU CHIEF DR. WILHELM	Chief: 747-9870 Asst: 747-9872	NEXT WORKING DAY AFTER OCCURENCE	10/15/01 0900	CW	10/15/01 0900	CW
ENVIRONMENTAL MANAGEMENT UNIT DEPT. OF ENVIRONMENT	DIRECTOR PAMELA THOMAS (DEPUTY COMM.)	744-4018 744-9377	NEXT WORKING DAY AFTER OCCURENCE	10/15/01 0905	CW	10/15/01 0905	CW
COMMISSIONER OF WATER	RICHARD RICE	744-7001	NEXT WORKING DAY AFTER OCCURENCE	10/15/01 0906	CW	10/15/01 0906	CW
DEPUTY COMMISSIONER OF WATER QUALITY	ELLEN FLANAGAN	744-7732	NEXT WORKING DAY AFTER OCCURENCE	10/15/01 0910	CW	10/15/01 0910	CW

ROUTE COPIES TO:

R. RICE
C. WILSON
F. SCHULTZ

H.O'CONNELL
A. SOWA

WEATHER SERVICE
PSOD CONTROL
LEAK DESK

928-3711
744-4775
744-7038



chicago park district

Administration Office
541 North Fairbanks
Chicago, Illinois 60611
t (312) 742-PLAY
(312) 747-2001 TTY
www.chicagoparkdistrict.com

Board of Commissioners

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Richard M. Daley
Mayor

April 25, 2002

Mr. Richard Lanyon
Director of Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 E. Erie Street
Chicago, Illinois 60611-3154

Subject: NPDES Permit Number IL 00280061, Discharge Number 151

Dear Mr. Lanyon,

This is a written response to your inquiry dated March 25, 2002 requesting any information that we have which may indicate that the subject discharge does or does not discharge into a sensitive area. According to your letter, sensitive areas include:

1. Designated Outstanding National Resource Waters
2. National marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

From the sketch attached to the MWRDs letter, it can be seen that the discharge number 151 is into the Calumet River at Howard's Slip (near the intersection of South Chicago Avenue and South Harbor Avenue.) The Chicago Park District has access to the waters of Lake Michigan at the beaches at Rainbow Beach and at Calumet Park in the vicinity of the discharge. The use involves primary contact and therefore the beaches may fall under the classification of a "Sensitive Area." CPD monitors the quality of Lake Michigan waters at the CPD beaches for public safety. Due to prevailing winds, wave action and the under currents, the discharge may affect the quality of the water at adjacent beaches, (i.e. Rainbow Beach and Calumet Park)

Attachments: The MWRD Sensitive Area Response Form
Copy of plan showing the adjacent parks

For any additional information regarding the CPD beaches, you may contact Laura Foxgrover at 312-742-4825 and/or Jamie Anderson at 312-742-4918.

Sincerely,

Signature on file 

Bruce J. Bertalmio
Director of Facility Management

Cc: J. Anderson
L. Foxgrover
L. Garcia
K. Ridley
L. Tomas
V. Vadali

**CHICAGO
PARK
DISTRICT**
come out
and play

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: CHICAGO PARK DISTRICT

Name of Person Responding: DAVID DOIG, GENERAL SUPERINTENDENT

Address: 541 NORTH FAIRBANKS COURT

CHICAGO, IL 60611

Telephone Number: (312) 742-4200

Signature of respondent:

Subject: NPDES Permit Number IL0028061
Discharge Number 151

We have examined our records and determined that the subject discharge does / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

THE DISCHARGE MAY AFFECT THE QUALITY OF LAKE MICHIGAN WATERS

AT THE ADJACENT BEACHES AT THE CALUMET PARK AND THE RAINBOW

BEACH PARK OF THE CHICAGO PARK DISTRICT. DRAWING SHOWING

THE LOCATION OF THE ADJACENT PARKS IS ATTACHED.

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: U.S. FISH + WILDLIFE SERVICE

Name of Person Responding: EDWARD KARECKI

Address: 1250 SOUTH GROVE SUITE 103

BARRINGTON IL 60010

Telephone Number: 847-381-2253 EXT 217

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028061
Discharge Number 151

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

NO FEDERAL THREATENED OR ENDANGERED SPECIES IN THE
CALUMET RIVER IN THE VICINITY OF THIS DISCHARGE.

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

April 30, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028061 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 151, 152, 165, 166, 167 and 168.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the Chicago Park District, the Chicago Department of the Environment and the City of Blue Island. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

M.W.R.D.
OF GRTR. CHGO.

2002 MAY -8 AM 11: 23

DIR. OF R & D



Illinois
Department of
Natural Resources

624 South Second Street - Springfield, Illinois 62761-1757

<http://dnr.state.il.us>
George H. Ryan, Governor • Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 4-23-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0203106 DUE DATE: 5-23-02

Applicant: MWR DGC Phone: 312-751-5600
Contact Person: Richard Lanyon Fax: _____
Applicant Address: 100 East Erie Street Email: _____
Chicago, IL 60611-3154

LOCATION OF PROPOSED ACTION
A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED
Project Name: NPDES #IL6028061 Discharge 151, 152 County: Cook
Project Address (if available): _____
City, State, Zip: _____
Township/Range/Section (e.g. T45N, R9E, S2): T37N 15E Sec 5+19 T36N R13E Sec 1
Brief Description of Proposed Action: Sensitive Areas evaluation
Projected Start Date and End Date of Proposed Action: _____
Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetland Policy Act may apply. Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits
Contact: _____ Phone: _____
Address: 1021 N. Grand East Fax: _____
Spfld, IL 62702 Email: _____

FOR DEPARTMENT USE ONLY
Are endangered/threatened species or Natural Areas present in the vicinity of the action? Yes | No
Could the proposed action adversely affect the endangered/threatened species or Natural Area? Yes | No
Is consultation terminated? Yes | No
Comments: Discharge #152 is in the vicinity of the Lake Calumet Natural Area which supports numerous species of state listed birds. Adverse impacts are unlikely if permit limits are being met
Evaluated by: _____ Date: 6-4-02
Signature on file _____
Division of Resource Review & Coordination (217)785-5500

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: INHS

Name of Person Responding: David L. Thomas

Address: 607 E. Peabody Drive
Champaign, IL 61821

Telephone Number: 217-333-6830

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number 151**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

We have no information to my knowledge that
would indicate that this is a sensitive area.

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Moshev

Address: 1021 North Grand Ave. East

P.O. Box 19276

Springfield, IL 62794-9276

Telephone Number: 217-782-3362

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028061
Discharge Number 151

We have examined our records and determined that the subject discharge does / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

There are no designated Outstanding National Resource (or ORWs) or National Marine Sanctuaries in Illinois.

There are no public drinking water intakes in the Chicago area other than in Lake Michigan.

APPENDIX V

CALUMET RIVER AT DISCHARGE NUMBER 152

Calumet River Discharge Number 152

On May 9, 2002, aquatic and riparian habitat surveys were conducted in the Calumet River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 152.

The average seven-day, ten-year low flow below Discharge No. 152 in the Calumet River is estimated to be 12.0 cfs. The width of the study reach is 330 feet. Side depths range from 12 to 27 feet, while the depth in the center of the river is 28 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. Throughout the reach, natural channel stream banks have been replaced with steel sheet piling. These man-made river walls generally extend 8 to 10 feet above the normal water level.

Riparian land cover includes urban commercial and urban industrial. Riparian land topography is relatively flat.

Direct access to the river from nearby stream banks is prevented by fences and steel sheet piling along the river.

No sanitary odor was noted in the water or sanitary debris along the banks of the study area. There were no logjams or vegetative debris in the waterway reach. No aquatic vegetation was observed in the study reach.

In the center of the river, the sediment was composed primarily of clay, with a silt component 200 feet downstream of the CSO. The sediment along the right side at 50 and 200 feet below the CSO was bedrock and clay, respectively. Along the left side 50 feet downstream, the sediment consisted of zebra mussel shells, clay, and silt. The color of the sediment was gray to brown. Sediment probing was not conducted in the center or on the left of the channel due to the extreme water depths. Sediment deposition along the right side ranged from <0.1 to 0.5 feet. There was no evidence of oil or organic sludge of sanitary origin observed in the study area sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is away from Lake Michigan and towards the O'Brien Lock.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 13 : 35

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 152 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 25 Channel Width (ft) 330

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Zebra Mussel Shells	<u>10</u>	%
	Clay	<u>35</u>	%
	Silt (Organic)	<u>50</u>	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	<u>5</u>	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Grey-Brown Sediment Odor Fishy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use <small>(Visual Observation)</small>	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks CSO outlet located in concrete structure on south bank of Turning

Basin Number 3. Outlet pipe is submerged. Coordinates--N 41d 40m 27.7s , W 87d 33m 9.5s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 13 : 50

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 152 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 28 Channel Width (ft) 330

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites on both sides, and sheet piling channel walls west bank

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition	Plant Debris	_____	%
(Visual Observation)	Clay	<u>100</u>	%
	Silt (Organic)	_____	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Grey Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use	GRASSLAND	_____	%	WETLAND	_____	%
(Visual Observation)	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks CSO outlet located in concrete structure on south bank of Turning
Basin Number 3. Outlet pipe is submerged. Coordinates--N 41d 40m 27.7s , W 87d 33m 9.5s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 14 : 00

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 152 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 12 Channel Width (ft) 330

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	<u>100</u>	%

Sediment Color No Sediment Sediment Odor No Sediment

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks CSO outlet located in concrete structure on south bank of Turning

Basin Number 3. Outlet pipe is submerged. Concrete debris covering shoreline and bottom.

Coordinates—N 41d 40m 27.7s , W 87d 33m 9.5s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 14 : 10

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 152 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 27 Channel Width (ft) 330

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>95</u>	%
Sand (<2mm diameter)	<u>5</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Oily

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks CSO outlet located in concrete structure on south bank of Turning
Basin Number 3. Outlet pipe is submerged. Measurements taken on river side of barge moored
at 200 foot mark. Coordinates--N 41d 40m 25.1s , W 87d 33m 67s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 14 : 15

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 152 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 29 Channel Width (ft) 330

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites on both sides, and sheet piling channel walls west bank

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>75</u>	%
Silt (Organic)	<u>25</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) Cannot reach bottom with probe

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks CSO outlet located in concrete structure on south bank of Turning

Basin Number 3. Outlet pipe is submerged. High wind (30mph) causing difficulty positioning

boat. Coordinates—N 41d 40m 25.1s , W 87d 33m 67s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 09 / 02 Time 14 : 20

Assessment Observer Wasik

Waterbody Calumet River

CSO Number 152 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 18 Channel Width (ft) 330

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fenced industrial sites and sheet piling channel wall

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>100</u>	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.5

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago Sensitive Area Response Form

Name of Responding Organization: Illinois Natural History Survey

Name of Person Responding: David L. Thomas, Chief

Address: 607 E. Peabody Drive
Champaign, IL 61820

Telephone Number: 217-333-6830

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number 152**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Mussel data indicate only a few tolerant species in the Calumet River.
Although some more sensitive fish species such as salmon & smallmouth
bas have been collected in the river, they were there apparently as strays
from Lake Michigan and not because this is critical habitat for them.

INHS Fish Collection Records
Calumet River, near S Carondelet Ave & 122nd St. East

This printout is provided with the understanding that the Illinois Natural History Survey (INHS) is acknowledged in any publications, reports, etc. resulting from the use of the data.

Calumet River (Lake Michigan Dr.)

1 mi NNW Burnham

81 Cook County, Illinois USA

T37N, R14E, sec. 25

26 May- 8 October 1998

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>	
INHS 51177	<i>Alosa pseudoharengus</i>	1	I
INHS 51178	<i>Carpionodes cyprinus</i>	1	
INHS 51179	<i>Catostomus commersoni</i>	1	
INHS 51182	<i>Morone americana</i>	1	I
INHS 51180	<i>Morone chrysops</i>	1	
INHS 51181	<i>Lepomis cyanellus</i>	1	
INHS 51183	<i>Neogobius melanostomus</i>	3	II

Calumet River (Lake Michigan Dr.)

1.8 mi NNW Burnham, at mouth of Little Calumet River, Turning Basin No. 5

81 Cook County, Illinois USA

T37N, R14E, sec. 25

31 October 1997

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>	
INHS 44921	<i>Dorosoma cepedianum</i>	1	
INHS 44922	<i>Cyprinus carpio</i>	1	II
INHS 44923	<i>Lepomis gibbosus</i>	1	
INHS 44924	<i>Lepomis macrochirus</i>	1	
INHS 44925	<i>Micropterus salmoides</i>	1	

Calumet River (Lake Michigan Dr.)

2 mi NNW Burnham

81 Cook County, Illinois USA

T37N, R14E, sec. 25

1 June 1977

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>	
INHS 56999	<i>Perca flavescens</i>	2	

10 September 1980

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>	
INHS 56994	<i>Cyprinus carpio</i>	2	II
INHS 56995	<i>Notropis hudsonius</i>	2	
INHS 56996	<i>Lepomis gibbosus</i>	4	
INHS 56997	<i>Lepomis humilis</i>	2	
INHS 56998	<i>Pomoxis nigromaculatus</i>	1	

Calumet River (Lake Michigan Dr.)
 2.6 mi NNE Burnham, Turning Basin No. 3
 82 Cook County, Illinois USA
 T37N, R15E, sec. 19
 31 October 1997

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>
INHS 44926	<i>Pimephales notatus</i>	1

Calumet River (Lake Michigan Dr.)
 rm 329.7- 329.8
 3.7 mi NNE Burnham
 83 Cook County, Illinois USA
 T37N, R15E, sec. 18
 31 October 1997

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>
INHS 44927	<i>Catostomus commersoni</i>	1
INHS 44928	<i>Ictiobus niger</i>	1
INHS 44929	<i>Pomoxis annularis</i>	1

Calumet River (Lake Michigan Dr.)
 rm 330.2- 330.3
 4.1 mi NNE Burnham
 84 Cook County, Illinois USA
 T37N, R15E, sec. 18
 31 October 1997

<u>Cat. #</u>	<u>Species</u>	<u>No. of Specimens</u>
INHS 44930	<i>Oncorhynchus mykiss</i>	1 I
INHS 44933	<i>Oncorhynchus tshawytscha</i>	1 IFT
INHS 44931	<i>Micropterus dolomieu</i>	1
INHS 44932	<i>Aplodinotus grunniens</i>	1
INHS 44934	<i>Neogobius melanostomus</i>	1 II



Illinois
Department of
Natural Resources

624 South Second Street • Springfield, Illinois 62701-1757

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George H. Ryan Governor • Brent Manning, Executive Director

PLANNING DIVISION
OF GRTR. CHGO.

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 4-11-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0202593 DUE DATE: 5-11-02

Applicant: MWRDGC Phone: 312-751-5600
Contact Person: Richard Hanson Fax: _____
Applicant Address: 100 E. Erie Street Email: _____
Chicago, IL 60611-3154

LOCATION OF PROPOSED ACTION
A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED
Project Name: NPDES #IL0028061 Duffall 152 County: Cook
Project Address (if available): _____
City, State, Zip: Chicago
Township/Range/Section (e.g. T45N, R9E, S2): 37N 15E Sec 19
Brief Description of Proposed Action: _____
Projected Start Date and End Date of Proposed Action: _____
Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetland Policy Act may apply. Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits
Contact: Unknown Phone: _____
Address: 1021 N. Grand East Fax: _____
Springfield, IL 62702 Email: _____

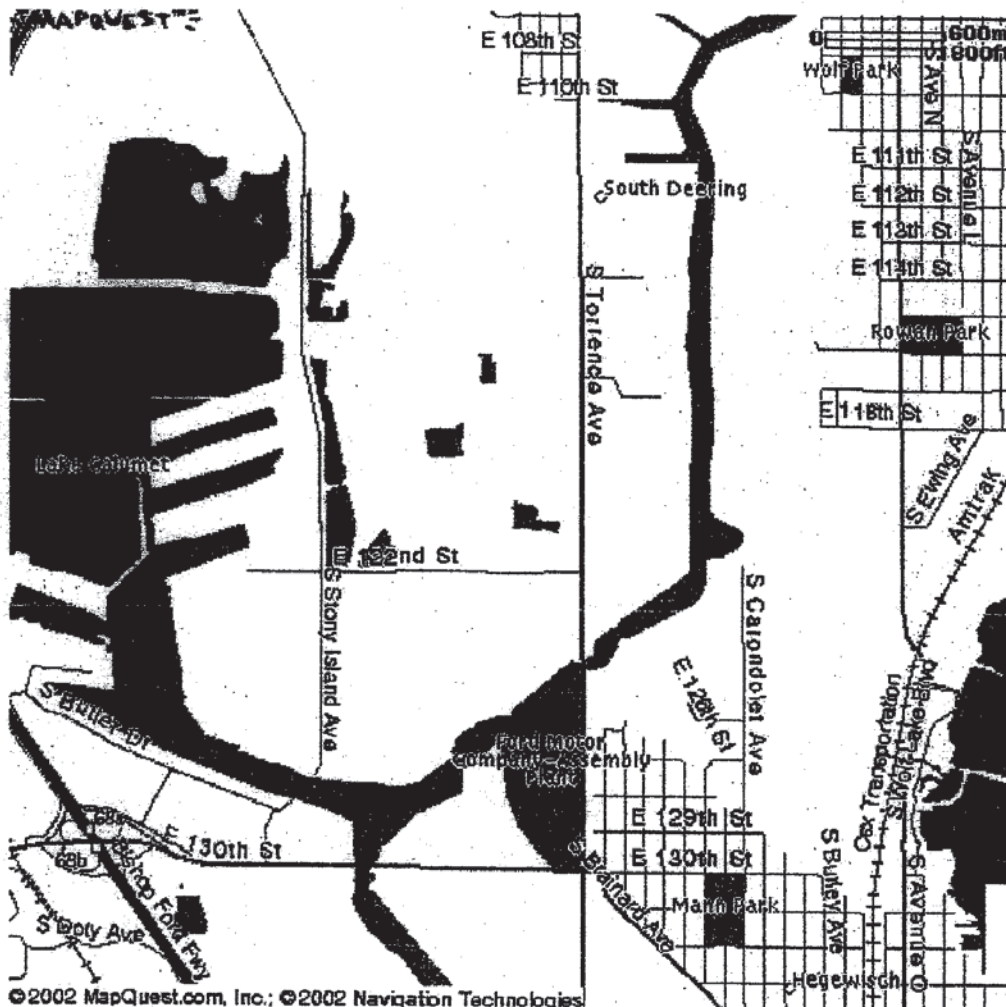
FOR DEPARTMENT USE ONLY
Are endangered/threatened species or Natural Areas present in the vicinity of the action? Yes | No
Could the proposed action adversely affect the endangered/threatened species or Natural Area? Yes | No
Is consultation terminated? Yes | No
Comments: Outfall is in the vicinity of the Lake Calumet INAI which supports numerous state listed species. Adverse impacts to these resources are unlikely as the Calumet River drains to
Evaluated by: hask Michigan Date: 5-23-02
Signature on file _____
Division of Resource Review & Coordination (217)785-5500

MAPQUEST

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60617, US

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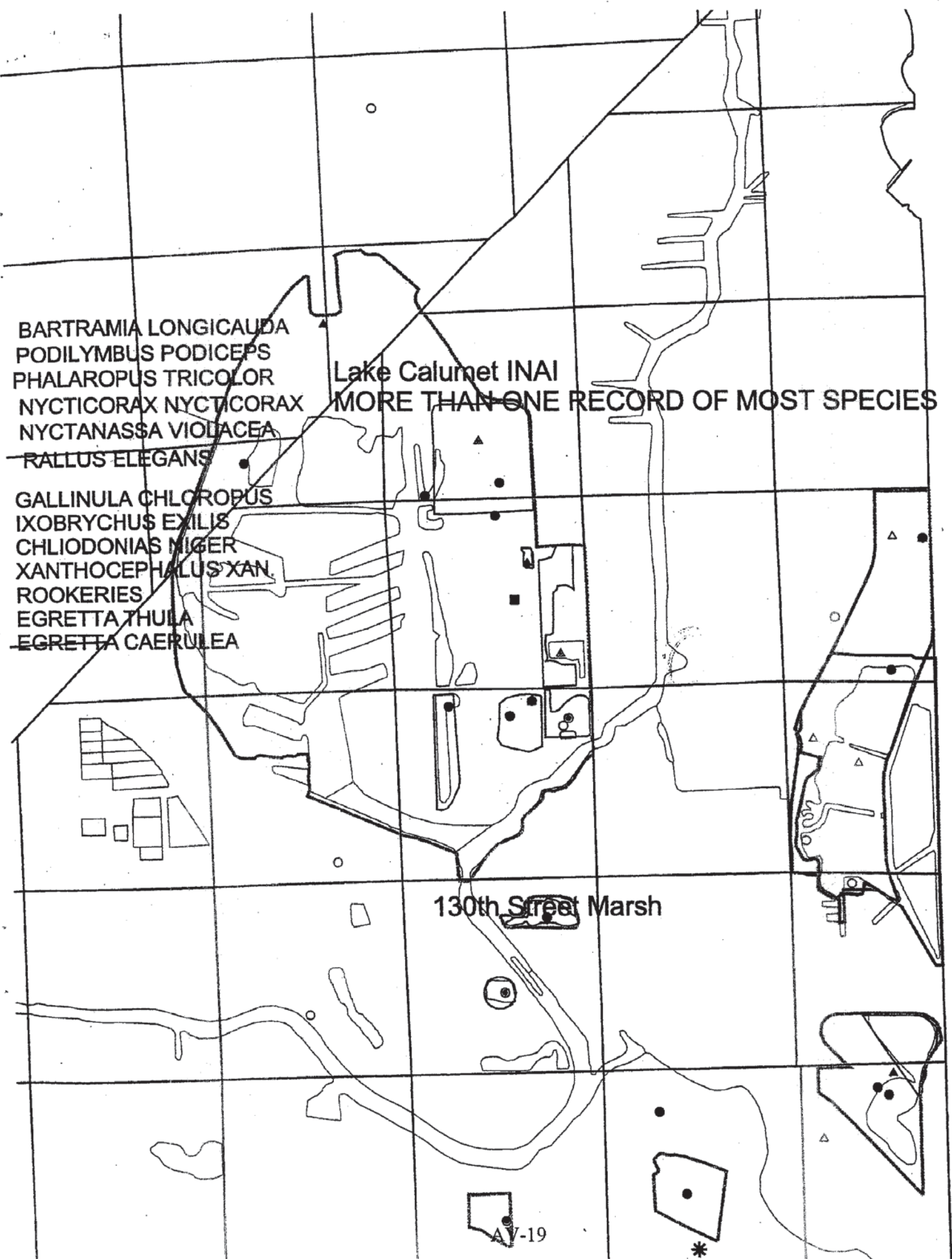
BARTRAMIA LONGICAUDA
 PODILYMBUS PODICEPS
 PHALAROPUS TRICOLOR
 NYCTICORAX NYCTICORAX
 NYCTANASSA VIOLACEA
 RALLUS ELEGANS
 GALLINULA CHLOROPUS
 IXOBRYCHUS EXILIS
 CHLIDONIAS NIGER
 XANTHOCEPHALUS XAN.
 ROOKERIES
 EGRETТА THULA
 EGRETТА CAERULEA

Lake Calumet INAI

MORE THAN ONE RECORD OF MOST SPECIES

130th Street Marsh

*





Illinois
Department of
Natural Resources

524 South Second Street • Springfield, Illinois 62701-1787

<http://dnr.state.il.us>

George H. Ryan, Governor • Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 4-23-02

If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0203106 DUE DATE: 5-23-02

Applicant: <u>MWRDGC</u>	Phone: <u>312-751-5600</u>
Contact Person: <u>Richard Lanyon</u>	Fax: _____
Applicant Address: <u>100 East Erie Street</u>	Email: _____
<u>Chicago, IL 60611-3154</u>	

LOCATION OF PROPOSED ACTION
A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES #IL6028061 Discharge 151, 152 County: Cook

Project Address (if available): _____
+165

City, State, Zip: _____

Township/Range/Section (e.g. T45N, R9E, S2): T37N 15E Sec 5+19 T36N R13E Sec 1

Brief Description of Proposed Action: Sensitive Areas evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetland Policy Act may apply.
Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits

Contact: _____ Phone: _____

Address: 1021 N. Grand East Fax: _____
Spfld. IL 62702 Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? Yes | No

Could the proposed action adversely affect the endangered/threatened species or Natural Area? Yes | No

Is consultation terminated? Yes | No

Comments: Discharge #152 is in the vicinity of the Lake Calumet Natural Area which supports numerous species of state listed birds. Adverse impacts are unlikely if permit limits are being met

Evaluated by: _____ Date: 6-4-02

Signature on file _____

Division of Resource Review & Coordination (217)785-5500

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

April 30, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028061 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 151, 152, 165, 166, 167 and 168.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the Chicago Park District, the Chicago Department of the Environment and the City of Blue Island. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr. Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 MAY -8 AM 11:23

DIR. OF R & D
AV-21



IN REPLY REFER TO

FWS/AES-CIFO
(T782)

United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

May 8, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated April 3, 2002 requesting information on endangered or threatened species on or near discharge #152 located in Chicago, Cook County, Illinois.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, then consultation with the Service should be initiated by the U.S. Army Corps of Engineers.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on state-listed species. Any impacts to wetlands would require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
M.W.D.

2002 MAY 14 PM 12:11

DIR. OF R & D

AV-22

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

Active John D. Rogner
Field Supervisor

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish + Wildlife Service

Name of Person Responding: Shawn Cirton

Address: 1250 S. Grove Av., Ste. 103

Barrington, IL 60010

Telephone Number: (847) 381-2253 xt. 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number ~~165~~ 152**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)



City of Chicago
Richard M. Daley, Mayor

Department of Environment

Twenty-fifth Floor
30 North LaSalle Street
Chicago, Illinois 60602-2575
(312) 744-7606 (Voice)
(312) 744-6451 (FAX)
(312) 744-3586 (TTY)

<http://www.cityofchicago.org>

May 10, 2002

Richard Lanyon
Director of Research and Development
Metropolitan Water Reclamation District
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

Thank you for the opportunity to comment on the permitted combined sewer overflow (CSO) outfall (Number 152, NPDES Permit Number IL 0028061) that discharges into the Calumet River at 122nd Street.

While we understand that CSOs are, at times, a necessary response to an aging and taxed infrastructure, I firmly believe that our waterways should not, as a matter of routine, be considered conduits for waste. Everything possible should be done to avoid releasing sewage into our waterways. Toward that end, DOE and other City Departments are working on ways to reduce the amount of relatively clean stormwater that enters the sewer system. We are encouraging citizens, industry, and new development to keep stormwater on their property when possible. This will not only make good use of the water, it will also relieve the burden on the combined sewer system.

With respect to Outfall Number 152, DOE believes that the discharge does occur in a sensitive area that should be protected. The Calumet River flows into Lake Michigan, our region's greatest natural resource and source of drinking water for millions of people. Additionally, the river feeds important wetlands, as well as Indian Ridge Marsh. These natural areas are home to several state endangered species, including Black-crowned Night Heron and Yellow-headed Blackbird. Finally, the Calumet River, and the connected waterways, are very popular destination for boating, kayaking, and sport fishing.

Again, I thank you for the opportunity to comment on this matter and look forward to working with you on these issues. If you have any questions about DOE programs, please call me at (312) 744-7609.

Sincerely,

Signature on file

N. Marcia Jimenez
Commissioner

REC'D
M.W.R.D.
OF GRTR. CHGO.

2002 MAY 23 AM 11:57

DIR. OF R & D

AV-25



APPENDIX VI

MIDLOTHIAN CREEK AT DISCHARGE NUMBERS 165

Midlothian Creek Discharge Number 165

On May 2, 2002, aquatic and riparian habitat surveys were conducted in Midlothian Creek along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 165.

The average seven-day, ten-year low flow at the outfall in Midlothian Creek is estimated to be 0.6 cfs. The mean width of the creek is 20 feet. The side depth is 1.2 feet, while the depth in the center of the creek is 1.7 feet. Water level was high during the field assessment. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are natural. There is moderate bank erosion throughout the study reach.

Riparian land cover includes forest and grassland.

Direct access to the stream from nearby stream banks is possible.

No sanitary odor was noted in the water. No sanitary debris was observed along the banks of the creek. There were logjams 200 feet downstream of the outfall on both sides and in the center of the creek. No aquatic vegetation was observed in the study reach.

In the center of the waterway, the sediment was composed primarily of sand, with silt and gravel components. The sediment along the right side of the waterway was mostly silt with a small amount of sand and plant material. Along the left side, the sediment consisted of silt, sand, plant material, and gravel. The color of the sediment ranged from grayish-black to brown. Generally, the sediment had an earthy odor, with a hydrogen sulfide smell 200 feet downstream of the outfall. The depth of fines in the center of the creek ranged from 0.1 to 0.4 feet. Sediment deposition along the sides was 0.3 feet. There was evidence of oil in the sediment 50 feet downstream of the outfall in the center and on the left, and 200 feet downstream on the left side of the creek. There was no organic sludge of sanitary origin observed in the study area sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the creek is east towards the Little Calumet-Sag Channel.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 10:20

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 165 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.1 Channel Width (ft) 19

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGs OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	20	%
Clay		%
Silt (Organic)	55	%
Sand (<2mm diameter)	20	%
Gravel (2mm to <16mm diameter)	5	%
Cobble (16mm to <256mm diameter)		%
Boulder (>256mm diameter)		%
Bedrock or Concrete		%

Sediment Color Grey-Black Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	25	%	WETLAND		%
URBAN RESIDENTIAL		%	FOREST	75	%
URBAN COMMERCIAL/INDUSTRIAL		%	ROW CROPS		%
OTHER (Specify)		%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 10:30

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 165 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2 Channel Width (ft) 19

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	<u>5</u>	%
	Sand (<2mm diameter)	<u>85</u>	%
	Gravel (2mm to <16mm diameter)	<u>10</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.4

Riparian Land Use (Visual Observation)	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

j Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 10:40

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 165 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1 Channel Width (ft) 19

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	5	%
Clay		%
Silt (Organic)	90	%
Sand (<2mm diameter)	5	%
Gravel (2mm to <16mm diameter)		%
Cobble (16mm to <256mm diameter)		%
Boulder (>256mm diameter)		%
Bedrock or Concrete		%

Sediment Color Grey-Black Sediment Odor Decomposing vegetation

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	25	%	WETLAND	_____	%
URBAN RESIDENTIAL		%	FOREST	75	%
URBAN COMMERCIAL/INDUSTRIAL		%	ROW CROPS		%
OTHER (Specify) _____		%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 11:05

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 165 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.1 Channel Width (ft) 22

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>90</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey-Black Sediment Odor Hydrogen Sulfide

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>25</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>5</u>	%
URBAN COMMERCIAL/INDUSTRIAL	<u>70</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 11:10

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 165 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.3 Channel Width (ft) 22

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	<u>20</u>	%
	Sand (<2mm diameter)	<u>70</u>	%
	Gravel (2mm to <16mm diameter)	<u>10</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Grey-Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)	<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
	<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
	<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
	<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 11:25

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 165 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.3 Channel Width (ft) 22

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER (specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>95</u>	%
Sand (<2mm diameter)	<u>5</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey-Black Sediment Odor Hydrogen Sulfide

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>40</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>60</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER</u> (Specify)	_____	%			

Remarks on reverse side



Illinois
Department of
Natural Resources

524 South Second Street • Springfield, Illinois 62701-1787

George H. Ryan, Governor • Brent Manning, Director

<http://dnr.state.il.us>

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 4-23-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJECT CODE: 0203106 DUE DATE: 5-23-02

Applicant: MWRDGC Phone: 312-751-5600
Contact Person: Richard Lanyon Fax: _____
Applicant Address: 100 East Erie Street Email: _____
Chicago, IL 60611-3154

LOCATION OF PROPOSED ACTION
A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES #IL6028061 Discharge 151, 152 County: Cook
Project Address (if available): _____
City, State, Zip: _____
Township/Range/Section (e.g. T45N, R9E, S2): T37N 15E Sec 5+19 T36N R13E Sec 1
Brief Description of Proposed Action: Sensitive Areas Evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetland Policy Act may apply.
Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits
Contact: _____ Phone: _____
Address: 1021 N. Grand East Fax: _____
SPfld. IL 62702 Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes] [No]
Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes] [No]
Is consultation terminated? [Yes] [No]

Comments: Discharge #152 is in the vicinity of the Lake Calumet Natural Area which supports numerous species of state listed birds. Adverse impacts are unlikely if permit limits are being met

Evaluated by: Signature on file Date: 6-4-02

Division of Resource Review & Coordination (217)785-5500

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

April 30, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028061 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 151, 152, 165, 166, 167 and 168.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the Chicago Park District, the Chicago Department of the Environment and the City of Blue Island. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 MAY - 8 - 11: 23 AM

DIR. OF R & D



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



Celebrating a Century of Conservation!

IN REPLY REFER TO

FWS/AES-CIFO
(T802)

May 8, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated April 9, 2002 requesting information on endangered or threatened species on or near discharge #165 located in Blue Island, Cook County, Illinois.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, then consultation with the Service should be initiated by the U.S. Army Corps of Engineers.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on state-listed species. Any impacts to wetlands would require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
M.W.R.D.
2002 MAY 14 PM 12:11
DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

Active
John D. Rogner
Field Supervisor

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish + Wildlife Service

Name of Person Responding: Shawn Cirton

Address: 1250 S. Grove Ave, Ste. 103
Barrington, IL 60010

Telephone Number: 847) 381-2253 xt. 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number 165**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
- ③ 3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: IMHS

Name of Person Responding: David L. Thomas, Chief

Address: 607 E. Peabody Drive
Champaign, IL 61820

Telephone Number: 217-333-6830

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number 165**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

To my knowledge we have no specific data pertinent to this site

APPENDIX VII

MIDLOTHIAN CREEK AT DISCHARGE NUMBERS 166 AND 167

**Midlothian Creek
Discharge Numbers 166 and 167**

On May 2, 2002, aquatic and riparian habitat surveys were conducted in Midlothian Creek along cross-sectional transects, 50 and 200 feet downstream from Discharge Nos. 166 and 167. The subject outfalls were located on opposite banks at approximately the same location.

The average seven-day, ten-year low flow at the outfalls in Midlothian Creek is estimated to be 0.6 cfs. The mean width of the creek is 14 feet. The side depth is 1 foot, while the depth in the center of the creek is 1.2 feet. Water level was high during the field assessment. Geomorphic stream habitat is riffle 50 feet below the outfalls with a run 200 feet downstream. The banks along the waterway are natural. There is slight to moderate bank erosion throughout the reach.

Riparian land cover includes forest, grassland, and wetland.

Direct access to the creek from nearby stream banks is possible.

No sanitary odor was noted in the water. No sanitary debris was observed along the banks of the study area. There were logjams 50 feet and 200 feet downstream of the outfalls on both sides of the creek. No aquatic vegetation was observed in the study reach.

In the center and on the sides of the waterway, the sediment was a mix of silt, sand, gravel, plant material, and cobble. The color of the sediment ranged from brown to black. The sediments had an odor of decomposing plant material or no odor. The depth of fines in the center of the creek ranged from less than 0.1 to 0.3 feet. Sediment deposition along the sides ranged from 0.1 to 0.3 feet. There was no evidence of oil or organic sludge of sanitary origin observed in the study area sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the creek is east towards the Little Calumet River.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 11:55

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 166, 167 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.3 Channel Width (ft) 12

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	<u>50</u>	%
	Clay	_____	%
	Silt (Organic)	<u>15</u>	%
	Sand (<2mm diameter)	<u>30</u>	%
	Gravel (2mm to <16mm diameter)	<u>5</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)	GRASSLAND	<u>50</u>	%	WETLAND	<u>5</u>	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>45</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

CSO #166 and CSO #167 are located on opposite banks at

approximately the same point on the creek. One survey was done for both outfalls.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 12:10

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 166, 167 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.6 Channel Width (ft) 12

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>5</u>	%
Clay	_____	%
Silt (Organic)	<u>30</u>	%
Sand (<2mm diameter)	<u>50</u>	%
Gravel (2mm to <16mm diameter)	<u>15</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.03

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 12:15

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 166, 167 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.3 Channel Width (ft) 12

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition	Plant Debris	<u>55</u>	%
(Visual Observation)	Clay	_____	%
	Silt (Organic)	<u>35</u>	%
	Sand (<2mm diameter)	<u>5</u>	%
	Gravel (2mm to <16mm diameter)	<u>5</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown-Black Sediment Odor Decomposing Vegetation

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use	GRASSLAND	<u>50</u>	%	WETLAND	<u>5</u>	%
(Visual Observation)	URBAN RESIDENTIAL	_____	%	FOREST	<u>45</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks CSO #166 and CSO #167 are located on opposite banks at
approximately the same point on the creek. One survey was done for both outfalls.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 12:20

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 166, 167 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.3 Channel Width (ft) 15.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGs OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	<u>60</u>	%
	Clay	_____	%
	Silt (Organic)	<u>20</u>	%
	Sand (<2mm diameter)	<u>15</u>	%
	Gravel (2mm to <16mm diameter)	<u>5</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown-Black Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)	GRASSLAND	<u>50</u>	%	WETLAND	<u>5</u>	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>45</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks CSO #166 and CSO #167 are located on opposite banks at
approximately the same point on the creek. One survey was done for both outfalls.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 12:30

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 166, 167 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 0.6 Channel Width (ft) 15.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	<u>15</u>	%
Gravel (2mm to <16mm diameter)	<u>15</u>	%
Cobble (16mm to <256mm diameter)	<u>70</u>	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>50</u>	%	WETLAND	<u>5</u>	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>45</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks

CSO #166 and CSO #167 are located on opposite banks at

approximately the same point on the creek. One survey was done for both outfalls.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 12:40

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 166, 167 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 0.6 Channel Width (ft) 15.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>15</u>	%
Clay	_____	%
Silt (Organic)	<u>30</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	<u>5</u>	%
Cobble (16mm to <256mm diameter)	<u>40</u>	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown-Black Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>50</u>	%	WETLAND	<u>5</u>	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>45</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

CSO #166 and CSO #167 are located on opposite banks at

approximately the same point on the creek. One survey was done for both outfalls.



Illinois
Department of
Natural Resources

624 South Second Street • Springfield, Illinois 62701-1787

George H. Ryan Governor • Brent Manning, Director

<http://dnr.state.il.us>

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 4-23-02
If this is a resubmittal, include previous
IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0203105 DUE DATE: 5-23-02

Applicant: MWRDGC
Contact Person: Richard Hanson
Applicant Address: 100 E. Erie Street

Phone: 312-751-5600
Fax: _____
Email: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES #IL0028061 Outfall 166+167 County: Cook
Project Address (if available): _____
City, State, Zip: _____
Township/Range/Section (e.g. T45N, R9E, S2): T36N R13E Sec 1
Brief Description of Proposed Action: Sensitive areas evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes] [No] If Yes, the Interagency Wetland Policy Act may apply.
Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: EPA/BOW/Permits
Contact: 1021 N. Grand Ave East Phone: _____
Address: Spfld, Il 62702 Fax: _____
Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes] [No]
Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes] [No]
Is consultation terminated? [Yes] [No]
Comments: _____

Evaluated by: _____
Signature on file _____
Division of Resource Review & Coordination (217)785-5500

Date 6-4-02

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

April 30, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028061 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 151, 152, 165, 166, 167 and 168.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the Chicago Park District, the Chicago Department of the Environment and the City of Blue Island. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

M.W.R.D.
OF GRTR. CHGO.

2002 MAY -8 AM 11:23

DIR. OF R & D
AV11-15



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

IN REPLY REFER TO

FWS/AES-CIFO
(T833)

May 8, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated April 16, 2002 requesting information on endangered or threatened species on or near discharge #166 and discharge #167 located in Blue Island, Cook County, Illinois.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, then consultation with the Service should be initiated by the U.S. Army Corps of Engineers.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on state-listed species. Any impacts to wetlands would require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

DIR. OF R & D
2002 MAY 14 PM 12:11
M.W.R.D.
OF GRTR. CHGO.

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

Acting
John D. Rogner
Field Supervisor

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish & Wildlife Service

Name of Person Responding: Shawn Cirton

Address: 1250 S. Grove Av., Ste. 103
Barrington, IL 60010

Telephone Number: (847) 381-2253 x7, 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Numbers 166 and 167**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: Illinois EPA
Name of Person Responding: Robert Moshw
Address: P.O. Box 19276
Springfield IL 62794-9276
Telephone Number: 217-782-3362
Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028061
Discharge Numbers 166 and 167

We have examined our records and determined that the subject discharge does / does not ~~X~~ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See letter from me to Mr. Dick Canyon dated
April 5 2002

OF GRTR. CHGO.

M.W.R.D.

2002 MAY 14 PM 12:07

DIR. OF R & D

AVII-19

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: City of Blue Island

Name of Person Responding: Donald E. Pelouin

Address: 13051 GREENWOOD
Blue Island, IL 60406

Telephone Number: 708-396-7030

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028061
Discharge Numbers 166 and 167

We have examined our records and determined that the subject discharge does / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX VIII

MIDLOTHIAN CREEK AT DISCHARGE NUMBER 168

**Midlothian Creek
Discharge Number 168**

On May 2, 2002, aquatic and riparian habitat surveys were conducted in Midlothian Creek along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 168.

The average seven-day, ten-year low flow at the outfall 168 in Midlothian Creek is estimated to be 0.6 cfs. The mean width of the creek is 19 feet. Side depths range from 1 to 2 feet, while the depth in the center of the creek is 2 to 3 feet. Water level was high during the field assessment. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are natural. There is severe bank erosion on the left side of the creek and slight erosion on the right.

Riparian land cover is primarily residential with some forest. On the left bank, broken concrete fill material is used to reduce erosion. Concrete fill material in the outfall structure restricts flow at Discharge No. 168.

Direct access to the creek from nearby stream banks is possible.

No sanitary odor was noted in the water. No sanitary debris was observed along the banks of the study area. There were logjams 50 feet downstream of the outfall on both sides of the creek and in the center of the study reach. No aquatic vegetation was observed in the reach.

In the center of the creek, the sediment was a mixture of silt, sand, gravel, plant material and cobble. The sediment 50 feet downstream of the outfall is silt. Two hundred feet below the outfall, the sediment is gravel and sand on the left side, while the right side is clay, silt, and sand. The color of the sediment ranged from brown to black to gray. The odor of the sediment is earthy or oily. The depth of fines in the center of the creek was 0.2 feet. Sediment deposition along the sides ranged from 0.2 to 0.7 feet. There was oil in the sediment 50 feet downstream of the outfall on the left and right side. There was no evidence of organic sludge of sanitary origin observed in the study area sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the creek is east towards the Little Calumet River.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 02 / 02 Time 13 : 00

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 168 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.2 Channel Width (ft) 20.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(specify)

Channelization YES NO * (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>90</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Oily

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>5</u>	%
URBAN COMMERCIAL/INDUSTRIAL	<u>95</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 02 / 02 Time 13 : 05

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 168 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2 Channel Width (ft) 20.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	_____	%
Silt (Organic)	<u>5</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	<u>70</u>	%
Cobble (16mm to <256mm diameter)	<u>5</u>	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (in feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 02 / 02 Time 13 : 15

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 168 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.2 Channel Width (ft) 20.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>100</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Oily

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.7

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	<u>90</u>	%	FOREST	<u>10</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

Residential lawn adjacent to bank

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 13:20

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 168 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 16.7

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Very steep bank covered with concrete debris

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	<u>20</u>	%
Gravel (2mm to <16mm diameter)	<u>80</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>5</u>	%
URBAN COMMERCIAL/INDUSTRIAL	<u>95</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 13:30

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 168 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.6 Channel Width (ft) 16.7

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>80</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	<u>10</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey-Brown Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/02/02 Time 13:40

Assessment Observer Sopcak

Waterbody Midlothian Creek

CSO Number 168 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.3 Channel Width (ft) 16.7

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER (specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition	Plant Debris		%
(Visual Observation)	Clay	<u>40</u>	%
	Silt (Organic)	<u>55</u>	%
	Sand (<2mm diameter)	<u>5</u>	%
	Gravel (2mm to <16mm diameter)		%
	Cobble (16mm to <256mm diameter)		%
	Boulder (>256mm diameter)		%
	Bedrock or Concrete		%

Sediment Color Grey Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.4

Riparian Land Use	<u>GRASSLAND</u>	<u> </u>	%	<u>WETLAND</u>	<u> </u>	%
(Visual Observation)	<u>URBAN RESIDENTIAL</u>	<u>90</u>	%	<u>FOREST</u>	<u>10</u>	%
	<u>URBAN COMMERCIAL/INDUSTRIAL</u>	<u> </u>	%	<u>ROW CROPS</u>	<u> </u>	%
	<u>OTHER (Specify)</u>	<u> </u>	%			

Remarks on reverse side

Additional Remarks

Residential lawn extends to edge of river, not fenced



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

624 South Second Street • Springfield, Illinois 62761-1767

George H. Ryan, Governor • Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 4-29-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0202895 DUE DATE: 5-29-02

Applicant: MWRDGC
Contact Person: Richard Lanyon
Applicant Address: 100 E. Erie Street
Chicago, IL 60611-3154

Phone: 312-751-5600
Fax: _____
Email: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES # IL 0028061 Discharge 168 County: Cook
Project Address (if available): _____
City, State, Zip: _____
Township/Range/Section (e.g. T45N, R9E, S2): R. 36 N. R. 14 E Sec 6
Brief Description of Proposed Action: Sensitive area evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes] [No] If Yes, the Interagency Wetland Policy Act may apply.
Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA
Contact: Unknown
Address: _____

Phone: _____
Fax: _____
Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes] [No]
Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes] [No]
Is consultation terminated? [Yes] [No]
Comments: _____

Evaluated by: _____
Signature on file _____

Date: 6-4-02

Division of Resource Review & Coordination (217)785-5500

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

April 30, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028061 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 151, 152, 165, 166, 167 and 168.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the Chicago Park District, the Chicago Department of the Environment and the City of Blue Island. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief

General Engineering Section

Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 MAY -8 AM 11:23

DIR. OF R & T
AVIII-13



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



Celebrating a Century of Conservation!

IN REPLY REFER TO

FWS/AES-CIFO
(T886)

May 31, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated April 25, 2002 requesting information on endangered or threatened species on or near discharge #168, located at T36N, R14E, Section 6 in Blue Island, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a federal agency, then consultation with the Service should be initiated by the federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on state-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
M.W.R.D.

2002 JUN -4 AM 11:05

DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Acting

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: ILLINOIS EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028061
Discharge Number 168

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- Designated Outstanding National Resource Waters
- National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See attached copy of previous letter

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

OF GRTR. CHGO.
M.W.R.D.

2002 MAY 21 AM 11:37
AVIII-17

11 12 13

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Illinois Natural History Survey
Name of Person Responding: David L. Thomas, Chief
Address: 607 E. Peabody Drive
Champaign, IL 61820

Telephone Number: 217-333-6830
Signature of respondent: Signature on file (P. Reizer)

**Subject: NPDES Permit Number IL0028061
Discharge Number 168**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

DIR. OF R & D
2002 MAY 15 PM 12:43
M.W.R.D.
OF GRTR. CHGO.

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

We have searched our collection database and can find no recent records of threatened or endangered species in or around the discharge area. This search included searching for records of fishes, crayfishes and mussels. Our biologists feel that there is very little likelihood that any threatened or endangered species (federal or state listed) would occur at this site.

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: City of Blue Island

Name of Person Responding: Donald E. Pelouin

Address: 13051 Greenwood

Blue Island, IL 60406

Telephone Number: 708-396-7030

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028061
Discharge Number 168**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX IX

NORTH SHORE CHANNEL AT DISCHARGE NUMBER 101

North Shore Channel Discharge Number 101

On May 23, 2002, aquatic and riparian habitat surveys were conducted in the North Shore Channel along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 101.

The average seven-day, ten-year low flow below the outfall in the North Shore Channel is estimated to be 0.14 cfs. The width of the study reach is 100 feet. Side depths range from 2 to 10 feet, while the depth in the center of the channel is 9 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. Throughout the study reach, wooden pilings line the channel banks. Fifty feet downstream on the right side, the earthen bank has been replaced with a concrete wall. Generally, the man-made river walls extend 8 to 10 feet above the normal water level, although the walls are only 1 foot above the water surface 50 feet downstream of the outfall on the left side.

Riparian land cover includes forest and grassland. Riparian land topography is quite steep.

Direct access to the channel from nearby stream banks is limited due to the steep wooded banks and an adjacent fence. Access to the water from boats is possible.

A sanitary odor was detected in the water. No sanitary debris was observed along the banks of the channel. There was a logjam of vegetative debris approximately 200 feet downstream of the outfall. No aquatic vegetation was observed in the study reach.

In the center of the channel, the sediment was composed primarily of decomposing plant material, sludge, and a small amount of silt. The sediment along both sides of the waterway was a mixture of sludge, silt, and plant material, with a small component of empty clamshells. The sediment was black in color with a septic odor. Sediment deposition in the center of the channel ranged from 0.3 feet at 50 feet downstream of the outfall to 2.1 feet at 200 feet downstream. Along the sides, sediment deposition ranged from 0.2 to 1.2 feet. Evidence of oil in the sediment was observed along the right side and in the center of the channel 50 feet below the outfall. Organic sludge of sanitary origin was observed in the sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the channel is away from Lake Michigan.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 10 : 50

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 101 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.1 Channel Width (ft) 100

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER low wood pilings (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks and fence at the top of hill

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one) H2S

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>50</u>	%
Clay	_____	%
Silt (Organic)	<u>50</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.4

Riparian Land Use (Visual Observation)

GRASSLAND	<u>15</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>85</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 11 : 00

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 101 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 9.9 Channel Width (ft) 100

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks and fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>15</u>	%
Clay	_____	%
Silt (Organic)	<u>25</u>	%
Sludge	<u>60</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.33

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/23/02 Time 11:10

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 101 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 9.9 Channel Width (ft) 100

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
 SHEET PILINGS OTHER Concrete wall (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence blocks access, concrete wall prohibits climbing into water

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>55</u>	%
Clay	<u> </u>	%
Silt (Organic)	<u>20</u>	%
Sludge	<u>25</u>	%
Sand (<2mm diameter)	<u> </u>	%
Gravel (2mm to <16mm diameter)	<u> </u>	%
Cobble (16mm to <256mm diameter)	<u> </u>	%
Boulder (>256mm diameter)	<u> </u>	%
Bedrock or Concrete	<u> </u>	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.17

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	<u> </u>	%
URBAN RESIDENTIAL	<u> </u>	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	<u> </u>	%	ROW CROPS	<u> </u>	%

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 11 : 15

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 101 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.1 Channel Width (ft) 110

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER wood pilings (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one) H2S odor

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>20</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sludge	<u>75</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Mussel Shells	<u>5</u>	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.33

Riparian Land Use (Visual Observation)

GRASSLAND	<u>30</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>70</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/23/02 Time 11:25

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 101 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 7.3 Channel Width (ft) 110

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER (Specify) _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>75</u>	%
Clay	_____	%
Sludge	<u>25</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.1

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER</u> (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 11 : 30

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 101 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.8 Channel Width (ft) 110

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER Wood pilings (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(if YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
if YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>25</u>	%
Clay	<u> </u>	%
Silt (Organic)	<u>10</u>	%
Sludge	<u>65</u>	%
Sand (<2mm diameter)	<u> </u>	%
Gravel (2mm to <16mm diameter)	<u> </u>	%
Cobble (16mm to <256mm diameter)	<u> </u>	%
Boulder (>256mm diameter)	<u> </u>	%
Bedrock or Concrete	<u> </u>	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.16

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>25</u>	%	<u>WETLAND</u>	<u> </u>	%
<u>URBAN RESIDENTIAL</u>	<u> </u>	%	<u>FOREST</u>	<u>75</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	<u> </u>	%	<u>ROW CROPS</u>	<u> </u>	%

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

June 10, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028088 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 101, 102, 103, 104, 109 and 110.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the municipalities of Wilmette, Evanston, Skokie and DesPlaines. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief

General Engineering Section

Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 JUN 17 AM 11:44

DIR. OF R & D



Illinois
Department of
Natural Resources

624 South Second Street - Springfield, Illinois 62701-1787

George H. Ryan, Governor • Brent Manning, Director

<http://dnr.state.il.us>

M.W.R.D.
OF GRTR. CHGO.

2002 JUN -7 AM 11:29

DIR. OF R & D

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, P.G., Chief

Date Submitted: 5-6-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0203114 DUE DATE: 5-12-02

Applicant: <u>MWRDGC</u>	Phone: <u>312-751-5600</u>
Contact Person: <u>Richard Banyon</u>	Fax: _____
Applicant Address: <u>100 East Erie Street</u>	Email: _____
<u>Chicago, IL 60611-3154</u>	

LOCATION OF PROPOSED ACTION
A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES # IL0028088 Discharge #101 County: Cook

Project Address (if available): _____

City, State, Zip: _____

Township/Range/Section (e.g. T45N, R9E, S2): T42N R13E Sec. 35

Brief Description of Proposed Action: _____

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes] [No] If Yes, the Interagency Wetland Policy Act may apply. Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: <u>EPA</u>	
Contact: _____	Phone: _____
Address: _____	Fax: _____
	Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes] [No]

Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes] [No]

Is consultation terminated? [Yes] [No]

Comments: _____

Evaluated by: Signature on file Date: 6-3-02

Division of Resource Review & Coordination (217)785-5500



IN REPLY REFER TO

FWS/AES-CIFO
(T930)

United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

June 10, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated May 2, 2002 requesting information on endangered or threatened species on or near discharge #101 located at T42N, R13E, Section 35 in Wilmette, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species: the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

ACK

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish + Wildlife Service

Name of Person Responding: Shawn Cirton

Address: 1250 S. Grove Av., Suite 103
Barrington, IL 60010

Telephone Number: 847-381-2253 xt 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 101**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: see copy of cwa letter

Telephone Number: _____

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028088
Discharge Number 101

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

see copy of cwa letter

Lake Michigan is a designated public water supply

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

DIR. OF R & D
2002 MAY 17 PM 1:52
M.W.R.D.
OF GRTR. CHGO.

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: CITY OF EVANSTON

Name of Person Responding: RICHARD J. FIGURELLI

Address: 555 LINCOLN ST.
EVANSTON, IL. 60201

Telephone Number: (847) 866-2942

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 101**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Village of Wilmette

Name of Person Responding: Brigitte Mayerhofer

Address: 1200 Wilmette Avenue
Wilmette, IL 60091

Telephone Number: (847) 853-7627

Signature of respondent: Signature on file,
o o o

**Subject: NPDES Permit Number IL0028088
Discharge Number 101**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- ① Designated Outstanding National Resource Waters
- ② National Marine Sanctuaries
- ③ Waters with threatened or endangered species and their habitat
- ④ Shellfish beds
- ⑤ Waters with primary contact recreation
- ⑥ Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX X

NORTH SHORE CHANNEL AT DISCHARGE NUMBER 102

North Shore Channel Discharge Number 102

On May 23, 2002, aquatic and riparian habitat surveys were conducted in the North Shore Channel along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 102.

The average seven-day, ten-year low flow below Discharge No. 102 in the North Shore Channel is estimated to be 0.14 cfs. The width of the study reach is 80 feet. Side depths range from 2 to 3 feet, while the depth in the center of the channel is 5 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. There is severe bank erosion throughout the study reach.

Riparian land cover is primarily forest with some grassland. Riparian land topography is relatively flat.

Direct access to the channel from nearby stream banks is limited due to a fence parallel to the channel near the top of each bank. Access to the water from boats is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the banks of the channel. There were no logjams, vegetative debris, or aquatic vegetation in the study reach.

In the center of the channel, the sediment was composed primarily of decomposing plant material, silt, and sand, with a small sludge component 200 feet downstream of the outfall. The sediment along both sides of the waterway was sludge with some silt, plant material, and cobble. The sediment was black in color with a septic odor. In the center of the channel, sediment deposition was 2.5 feet. Sediment deposition along the sides ranged from 0.5 to 2.2 feet. Light oil in the sediment was observed along the right side 50 feet below the outfall, and along the left side throughout the entire reach. Organic sludge of sanitary origin was observed in sediment from the sides of the channel.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the channel is away from Lake Michigan.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 11 : 50

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 102 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 78

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	<u>45</u>	%
	Sludge	<u>50</u>	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	<u>5</u>	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.5

Riparian Land Use (Visual Observation)	GRASSLAND	<u>10</u>	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/23/02 Time 12:05

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 102 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 5.4 Channel Width (ft) 78

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>25</u>	%
Clay	_____	%
Silt (Organic)	<u>70</u>	%
Sand (<2mm diameter)	<u>5</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.48

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 12 : 10

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 102 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.7 Channel Width (ft) 78

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	_____	%
Silt (Organic)	<u>20</u>	%
Sludge	<u>70</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.39

Riparian Land Use (Visual Observation)

GRASSLAND	<u>15</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>85</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 12 : 15

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 102 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 80

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGs OTHER Wood pilings -- low and sporadic (specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>5</u>	%
Clay		%
Silt (Organic)	<u>15</u>	%
Sludge	<u>80</u>	%
Sand (<2mm diameter)		%
Gravel (2mm to <16mm diameter)		%
Cobble (16mm to <256mm diameter)		%
Boulder (>256mm diameter)		%
Bedrock or Concrete		%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.15

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND		%
URBAN RESIDENTIAL		%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL		%	ROW CROPS		%

Additional Remarks

GPS Coordinates N 42d 03m 31.2s W 87d 41m 44.5s

Cross section samples taken just upstream of a storm sewer outfall, 10ft. Downstream of another CSO.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 12 : 18

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 102 Distance Below CSO (ft) 50 **200** (circle one)

Assessment Location Facing Upstream LEFT **CENTER** RIGHT (circle one)

Channel Habitat **POOL** RUN RIFFLE (circle one)

Water Depth (ft) 5.4 Channel Width (ft) 80

Water Level LOW **NORMAL** HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization **YES** NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES **NO** (circle one)

Physical Obstacle Preventing Access **YES** NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES **NO** (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES **NO** (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	<u>50</u>	%
	Clay	_____	%
	Silt (Organic)	<u>40</u>	%
	Sludge	<u>10</u>	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%	

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE **LIGHT** MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.5

Riparian Land Use (Visual Observation)	<u>GRASSLAND</u>	_____ %	<u>WETLAND</u>	_____ %
	<u>URBAN RESIDENTIAL</u>	_____ %	<u>FOREST</u>	_____ %
	<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____ %	<u>ROW CROPS</u>	_____ %

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 12 : 20
 Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 102 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.1 Channel Width (ft) 80

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER (specify) _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>20</u>	%
Clay	_____	%
Silt (Organic)	<u>20</u>	%
Sludge	<u>60</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.66

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>10</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>90</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

June 10, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028088 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 101, 102, 103, 104, 109 and 110.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the municipalities of Wilmette, Evanston, Skokie and DesPlaines. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 JUN 17 AM 11:44

DIR. OF R & D



Illinois
Department of
Natural Resources

624 South Second Street - Springfield, Illinois 62701-1737

George H. Ryan - Governor • Brent Manning, Director

<http://dnr.state.il.us>

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)

Division of Resource Review and Coordination

Stephen K. Davis, P.G., Chief

Date Submitted: 5-10-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 020332 / DUE DATE: 6-9-02

Applicant: MWRDGC
Contact Person: Richard Lanyon
Applicant Address: 100 E. Erie Street
Chicago IL 60611-3154

Phone: 312-751-5600
Fax: _____
Email: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES # IL0028088 Outfall # 102 County: COOK
Project Address (if available): _____
City, State, Zip: Chicago
Township/Range/Section (e.g. T45N, R9E, S2): 41N 13E Sec 12
Brief Description of Proposed Action: Sensitive Area Evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetland Policy Act may apply. Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/Permits
Contact: Unknown Phone: _____
Address: _____ Fax: _____
Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes | No]
Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes | No]
Is consultation terminated? [Yes | No]
Comments: _____

Evaluated by: _____
Signature on file _____ Date 6-5-02

Division of Resource Review & Coordination (217)785-5500



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

IN REPLY REFER TO

FWS/AES-CIFO
(T933)

June 10, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated May 8, 2002 requesting information on endangered or threatened species on or near discharge #102 located at T41N, R13E, Section 12 in Evanston, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species: the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

John D. Rogner
Signature on file

Acting
John D. Rogner
Field Supervisor

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish & Wildlife Service

Name of Person Responding: Shawn Cinton

Address: 1250 S. Grove Av., Suite 103
Barrington, IL 60010

Telephone Number: 847-381-2253 x236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 102**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 102**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- Designated Outstanding National Resource Waters
- National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See attached copy of previous letter

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

OF GRTR. CHGO.
M.W.R.D.

2002 MAY 21 AM 11:37

DIR. OF R & D

AX-16
GEORGE H. RYAN, GOVERNOR

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: CITY OF EVANSTON

Name of Person Responding: RICHARD J. FIGURELLI

Address: 555 LINCOLN ST.

EVANSTON, IL. 60201

Telephone Number: (847) 866-2942

Signature of respondent: 'Signature on file'

Subject: NPDES Permit Number IL0028088
Discharge Number 102

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

02 MAY 17 11:11
R & D-ENFORCEMENT
MET. WATER REC. DIST.

APPENDIX XI

NORTH SHORE CHANNEL AT DISCHARGE NUMBER 103

North Shore Channel Discharge Number 103

On May 23, 2002, aquatic and riparian habitat surveys were conducted in the North Shore Channel along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 103.

The average seven-day, ten-year low flow below CSO No. 103 in the North Shore Channel is estimated to be 0.14 cfs. The width of the study reach is 120 feet. Side depths range from 1 to 4 feet, while the depth in the center of the channel is 7 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. There is severe bank erosion throughout the study reach.

Riparian land cover includes forest and grassland.

Direct access to the channel from nearby stream banks is limited due to a fence parallel to the channel and heavy vegetation in some areas. Access to the water from boats is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the banks of the channel. There were no logjams, vegetative debris, or aquatic vegetation in the study reach.

In the center of the channel, the sediment was composed primarily of decomposing plant material and sludge. The sediment along the left side of the waterway was primarily gravel with some sand, silt, and clay. Along the right bank, the sediment consisted of sludge, plant material, silt, sand, and gravel. The sediment was gray to black in color, with a septic odor. In the center of the channel, sediment deposition was 2 feet, 50 feet downstream of the CSO and 0.3 feet further downstream. Sediment deposition along the sides ranged from 0.3 to 3.0 feet. Moderate amounts of oil in the sediment were observed along the right side, 200 feet below the CSO. Organic sludge of sanitary origin was observed in the sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the channel is away from Lake Michigan.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 12 : 30

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 103 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 0.76 Channel Width (ft) 125

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>15</u>	%
Sand (<2mm diameter)	<u>15</u>	%
Gravel (2mm to <16mm diameter)	<u>70</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark gray Sediment Odor Light septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (in feet using 1 inch diameter probe) 0.26

Riparian Land Use (Visual Observation)

GRASSLAND	<u>40</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>60</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

GPS Coordinates: N 42d 03m 4.7s W 87d 42m 32.9s

Downstream of Emerson St. on east bank

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/23/02 Time 12:55

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 103 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 9 Channel Width (ft) 125

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>80</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sludge	<u>20</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Black Sediment Odor Very Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.98

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/23/02 Time 1:00

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 103 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4 Channel Width (ft) 125

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence and heavy brush

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>30</u>	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sludge	<u>60</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.73

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>100</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 1 : 04

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 103 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.32 Channel Width (ft) 125

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition	Plant Debris	_____	%
(Visual Observation)	Clay	<u>10</u>	%
	Silt (Organic)	<u>10</u>	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	<u>80</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Dark gray Sediment Odor no

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.66

Riparian Land Use	GRASSLAND	<u>50</u>	%	WETLAND	_____	%
(Visual Observation)	URBAN RESIDENTIAL	_____	%	FOREST	<u>50</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 23 / 02 Time 1 : 08

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 103 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 5.6 Channel Width (ft) 125

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>30</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sludge	<u>70</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.33

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/23/02 Time 1:12

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 103 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.58 Channel Width (ft) 125

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER (Specify) _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Fence and heavy brush

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	<u>30</u>	%
	Sludge	<u>20</u>	%
	Sand (<2mm diameter)	<u>25</u>	%
	Gravel (2mm to <16mm diameter)	<u>25</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%	

Sediment Color Black Sediment Odor Septic/oil

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 3

Riparian Land Use (Visual Observation)	<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
	<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>100</u>	%
	<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
	<u>OTHER</u> (Specify)	_____	%			

Remarks on reverse side

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

June 10, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028088 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 101, 102, 103, 104, 109 and 110.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the municipalities of Wilmette, Evanston, Skokie and DesPlaines. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief

General Engineering Section

Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 JUN 17 AM 11:44

DIR. OF R & D

AXI-10



Illinois
Department of
Natural Resources

624 South Second Street • Springfield, Illinois 62761-1757

George H. Ryan, Governor • Brent Manning, Director

<http://dnr.state.il.us>

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)

Division of Resource Review and Coordination

Stephen K. Davis, P.G., Chief

Date Submitted: 5-20-02

If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0203514 DUE DATE: 6-19-02

Applicant: MWRDGC
Contact Person: Richard Lanyon
Applicant Address: 100 E. Erie Street
Chicago, IL 60611

Phone: 312-751-5600
Fax: _____
Email: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES #TL0028088 Outfall 103 County: Cook

Project Address (if available): _____

City, State, Zip: Chicago

Township/Range/Section (e.g. T45N, R9E, S2): 41N 13E Sec 13

Brief Description of Proposed Action: Sensitive area evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetland Policy Act may apply. Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits

Contact: Unknown

Address: _____

Phone: _____

Fax: _____

Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes | No]

Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes | No]

Is consultation terminated? [Yes | No]

Comments: _____

Evaluated by: _____

Signature on file _____

Date 6-5-02

Division of Resource Review & Coordination (217)785-5500



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

IN REPLY REFER TO

FWS/AES-CIFO
(T972)

June 24, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated May 15, 2002 requesting information on endangered or threatened species on or near discharge #103 located at T41N, R13E, Section 13 in Evanston, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species: the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
M.W.R.D.

2002 JUL -6 AM 3 33

DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file.

John D. Rogner
Field Supervisor

Actual

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish & Wildlife Service

Name of Person Responding: Shawn Citron

Address: 1250 S. Grove Ave Suite 103
Barrington, IL 60010

Telephone Number: 847-381-2253

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 103**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: (Signature on file)

**Subject: NPDES Permit Number IL0028088
Discharge Number 103**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See copy of cover letter
Lake Michigan is a designated public water supply.

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

OF GRTR. CHGO.
M.W.R.D.

2002 JUN -3 AM 11:56

DIR. OF R & D

AXI-16

GEORGE H. RYAN, GOVERNOR

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: CITY OF EVANSTON

Name of Person Responding: RICHARD J. FIGURELLI

Address: 555 LINCOLN ST.

EVANSTON, IL. 60201

Telephone Number: 847-866-2942

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028088
Discharge Number 103

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

LOCAL SEWER SYSTEM
SECTION
MAY 24 AM 10:39
M.W.R.D.
OF GRT. CHGO.

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

M.W.R.D.
OF GRT. CHGO.
2002 MAY 28 PM 3:08
DIR. OF R & D
AXI-17

APPENDIX XII

NORTH SHORE CHANNEL AT DISCHARGE NUMBER 104

North Shore Channel Discharge Number 104

On May 17, 2002, aquatic and riparian habitat surveys were conducted in the North Shore Channel along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 104.

The average seven-day, ten-year low flow below Discharge No. 104 in the North Shore Channel is estimated to be 0.14 cfs. The width of the study reach is 100 feet. Side depths are 2.5 feet, while the depth in the center of the channel is 6.6 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. There is moderate to severe bank erosion throughout most of the study reach.

Riparian land cover is primarily forest with some grassland.

Direct access to the channel from nearby stream banks is limited due to a fence running parallel to the channel and the steep banks. Access to the water from boats is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the banks of the channel. There were no logjams, vegetative debris, or aquatic vegetation in the study reach.

In the center of the channel, 50 feet downstream of the CSO, the sediment was composed primarily of sludge with sand and plant material. Two hundred feet downstream, the sediment in the center was composed of silt and decomposing plant material. The sediment along the left side of the waterway was mostly sludge with sand and plant material. Along the right bank, the sediment consisted of sludge, plant material, and sand. The sediment ranged from gray to black in color, with a septic odor. In the center of the channel, sediment deposition ranged from 3.0 - 3.3 feet. Sediment deposition along the sides ranged from 0.1 - 0.3 feet. Light to moderate amounts of oil were observed in the sediment along the right side and in the center of the channel. Organic sludge of sanitary origin was observed in most sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the channel is away from Lake Michigan.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 12 : 20

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 104 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 99

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks and fence barring entrance

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>5</u>	%
Clay	_____	%
Sludge	<u>90</u>	%
Sand (<2mm diameter)	<u>5</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Black Sediment Odor Strong septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks

Coordinates: N 42d 02m 37.8s W 87d 42m 34.0s

Upstream Dempster St. East Bank

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 12 : 25

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 104 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 6.6 Channel Width (ft) 99

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks and a fence barring entrance

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	_____	%
Sludge	<u>80</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Black Sediment Odor Strong septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 3.3

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 12 : 30

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 104 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 99

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks and a fence barring access

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	_____	%
Sludge	<u>80</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.26

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 12 : 35

Assessment Observer Minarik

Waterbody North Shore Channel

CSO Number 104 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.6 Channel Width (ft) 99

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) Steep banks and fence barring entrance

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	_____	%
Sludge	<u>90</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Dark Gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.17

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>10</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>90</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 12 : 45

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 104 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 6.6 Channel Width (ft) 99

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Steep banks and fence barring entrance

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Plant Debris	<u>40</u>	%
	Clay	_____	%
	Silt (Organic)	<u>60</u>	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 3

Riparian Land Use <small>(Visual Observation)</small>	<u>GRASSLAND</u>	_____ %	<u>WETLAND</u>	_____ %
	<u>URBAN RESIDENTIAL</u>	_____ %	<u>FOREST</u>	_____ %
	<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____ %	<u>ROW CROPS</u>	_____ %
	<u>OTHER (Specify)</u>	_____ %		

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 12 : 55

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 104 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 99

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks and fence barring entrance

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	_____	%
Sludge	<u>90</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Dark Gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.13

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

**Illinois Department of
Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

June 10, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028088 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 101, 102, 103, 104, 109 and 110.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the municipalities of Wilmette, Evanston, Skokie and DesPlaines. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief

General Engineering Section

Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.V.R.D.

2002 JUN 17 AM 11:44

DIR. OF R & D



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

624 South Second Street - Springfield, Illinois 62761-1757

George H. Ryan, Governor • Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)

Division of Resource Review and Coordination

Stephen K. Davis, P.G., Chief

Date Submitted: 5-24-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJECT CODE: 0203754 DUE DATE: 6-23-02

Applicant: MWRDGC
Contact Person: Richard Banyon
Applicant Address: 100 E. Erie Street
Chicago, IL 60611-3154

Phone: 312-751-5600
Fax: _____
Email: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: NPDES # IL0028088 Discharge #104 County: Cook

Project Address (if available): _____

City, State, Zip: _____

Township/Range/Section (e.g. T45N, R9E, S2): T41N R13E Sec 13

Brief Description of Proposed Action: Sensitive Area evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes] [No] If Yes, the Interagency Wetland Policy Act may apply. Contact funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits

Contact: Unknown
Address: _____

Phone: _____
Fax: _____
Email: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [Yes] [No]

Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes] [No]

Is consultation terminated? [Yes] [No]

Comments: _____

Evaluated by: Signature on file

Division of Resource Review & Coordination (217)785-5500

Stamp: DIR. OF R. & C. JUL 16 AM 12:02
Stamp: MWRD. CHGO. 2002 JUL 16 AM 12:02
Date: 7-8-02



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



Celebrating a Century of Conservation!

IN REPLY REFER TO

FWS/AES-CIFO
(T986)

June 24, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated May 21, 2002 requesting information on endangered or threatened species on or near discharge #104 located at T41N, R13E, Section 13 in Evanston, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species: the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
M.W.R.D.

2002 JUL -8 AM 3: 33

DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Acting

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish + Wildlife Service

Name of Person Responding: Shawn Cinton

Address: 1250 S. Grove Av. Suite 103
Barrington, IL 60010

Telephone Number: 847-381-2253

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 104**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

R. Hill



Name of Responding Organization: CITY OF EVANSTON

Name of Person Responding: RICHARD J. FIGURELLI

Address: 555 LINCOLN ST.
EVANSTON, IL. 60201

Telephone Number: 847-866-2942

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028088
Discharge Number 104

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX XIII

DES PLAINES RIVER AT DISCHARGE NUMBER 109

**Des Plaines River
Discharge Number 109**

On May 28, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 109.

The average seven-day, ten-year low flow below Discharge No. 109 in the Des Plaines River is estimated to be 55.4 cfs. The mean width of the study area is 115 feet. Side depths range from 2 to 5 feet, while the depth in the center of the river is 3.5 feet. Geomorphic stream habitat is 100 percent runs. The river banks are natural. There is slight to moderate bank erosion throughout the study reach.

Riparian land cover is primarily forest with a paved parking lot and industrial area on the left bank 50 and 200 feet, respectively, downstream of the CSO.

Direct access to the river from nearby stream banks is limited on the right side due to the steep banks. The water is accessible from the left bank.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There were logjams at 50 and 200 feet downstream of the CSO. No vegetative debris or aquatic vegetation were observed in the study reach.

In the center of the river, the sediment was composed of sand, silt, and gravel. The sediment along the side of the waterway was a mixture of gravel, silt, sand, and plant material. The sediment was brown in color with no odor. In the center of the river, sediment deposition ranged from <0.1 to 0.1 feet. Sediment deposition along the sides ranged from 0.1 to 1.3 feet. No oil was observed in the sediment. No organic sludge of sanitary origin was noted.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 28 / 02 Time 11 : 55

Assessment Observer Sopcak

Waterbody Des Plaines River

CSO Number 109 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.5 Channel Width (ft) 131

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Very steep bank

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>30</u>	%
Clay	_____	%
Silt (Organic)	<u>70</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	<u>75</u>	%	FOREST	<u>25</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks Sampling location is under Rand Rd. bridge. Side sediment samples
taken near east and west shores not between center bridge supports.

N 42d 2m 40.2s W 87d 52m 42.3s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 28 / 02 Time 12 : 05

Assessment Observer Sopcak

Waterbody Des Plaines River

CSO Number 109 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.1 Channel Width (ft) 131

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	<u>90</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/28/02 Time 12:20

Assessment Observer Sopcak

Waterbody Des Plaines River

CSO Number 109 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.7 Channel Width (ft) 131

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)

(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>20</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>80</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.13

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>100</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/28/02 Time 12:40

Assessment Observer Sopcak

Waterbody Des Plaines River

CSO Number 109 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 5.3 Channel Width (ft) 97.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Very steep banks

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	<u>80</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	<u>100</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/28/02 Time 12:45

Assessment Observer Sopcak

Waterbody Des Plaines River

CSO Number 109 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.8 Channel Width (ft) 97.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>5</u>	%
Sand (<2mm diameter)	<u>35</u>	%
Gravel (2mm to <16mm diameter)	<u>60</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/28/02 Time 12:50

Assessment Observer Sopcak

Waterbody Des Plaines River

CSO Number 109 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.6 Channel Width (ft) 97.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	30	%
Clay	_____	%
Silt (Organic)	20	%
Sand (<2mm diameter)	50	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.3

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	100	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

June 10, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028088 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 101, 102, 103, 104, 109 and 110.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the municipalities of Wilmette, Evanston, Skokie and DesPlaines. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 JUN 17 AM 11:47

DIR. OF R & D



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

One Natural Resources Way, Springfield, IL 62702-1271

George H. Ryan, Governor * Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT
(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: <u>6-3-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0203755</u> Date Due: <u>7-3-02</u>
Applicant Name: <u>MWRDGC</u> Contact Person: <u>Richard Lanyon</u> Applicant Address: <u>100 East Erie Street</u> <u>Chicago, IL 60611</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>IL 0628088 Discharge #109</u> County: <u>Cook</u> Project Address (if available): _____ City, State, Zip: _____ Township/Range/Section (e.g. T45N, R9E, S2): <u>41N 12E Sec 16</u> Brief Description of Proposed Action: <u>Discharge to sensitive areas evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____ Will state funds or technical assistance support this action? [Yes] <input checked="" type="checkbox"/> [No] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>IEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES] <input checked="" type="checkbox"/> [NO] Could the proposed action affect the threatened/endangered species or Natural Area? [YES] <input checked="" type="checkbox"/> [NO] Is consultation terminated? [YES] <input checked="" type="checkbox"/> [NO] Comments: _____	
Evaluated by: <u>Signature on file</u> Division of Resource Review and Coordination (217) 785-5500	
Date: <u>10-21-02</u>	

Copies to: Visit our website at <http://dnr.state.il.us/orep/nrrc/nrrc.htm>
 File
 Richard Lanyon
 AXIII-10



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



Celebrating a Century of Conservation!

IN REPLY REFER TO

FWS/AES-CIFO
(T1026)

July 9, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated May 29, 2002 requesting information on endangered or threatened species on or near discharge #109 located at T41N, R12E, Section 16 in Des Plaines, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
MAY 13

2002 JUL 12 PM 11:54

DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish & Wildlife Service

Name of Person Responding: Shawn Cinton

Address: 1250 S. Grove Av.
Barrington IL 60010

Telephone Number: 847-381-2253 xt 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 109**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 109**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- ① Designated Outstanding National Resource Waters
- ② National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- ⑥ Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See copy of cover letter

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**


Name of Responding Organization: City of Des Plaines

Name of Person Responding: Derek Peebles

Address: Engineering Department
1425 Miner St.
Des Plaines, IL 60016

Telephone Number: (847) 391-5390

Signature of respondent: Signature on file


 Dick Lemp
 Per out phone call I
 assigned to R & D
 9/16

**Subject: NPDES Permit Number IL0028088
Discharge Number 109**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

The City does ~~not~~ believe and does not have any records to indicate
that the subject area is a sensitive area as defined by the
above categories

M.W.R.D.
 OF GRTR. CHGO.
 2002 JUN 21 PM 2:45
 DIR. OF R & D

CHAPTER 4

RECREATION IN FOREST PRESERVES¹

SECTION:

- 2-4-1: Hours of Operation
- 2-4-2: Picnics
- 2-4-3: Sports and Games
- 2-4-4: Swimming
- 2-4-5: Boating
- 2-4-6: Golfing
- 2-4-7: Model-Airplane Flying Fields
- 2-4-8: Penalty

2-4-1: **HOURS OF OPERATION:** No person shall be or remain in any part of the District after sunset and before sunrise of any day; except, that persons and vehicles may pass through the District without stopping, on the most direct walk or roadway leading from point of entrance nearest to their point of destination. The provisions of this Section shall not apply to officers or employees of the District while in the discharge of their respective duties as such officers or employees, nor to persons having a permit in writing to be or remain in any part of the District after sunset and before sunrise.

The General Superintendent shall have the right, from time to time, to vary the times of opening or closing of the District or any part thereof. (1989 Code)

2-4-2: **PICNICS:** No person shall use any portion of the Forest Preserve District property nor any of the buildings within said District for the purposes of meeting or holding picnics to the exclusion of any other person or persons from such portion of the property or buildings of the District without having first obtained a permit in writing from the

1. See also Section 2-2-3 of this Code for fishing and hunting restrictions.

Board of Commissioners, signed by the President of said Board. (1989 Code)

2-4-3: **SPORTS AND GAMES:** No person shall engage in any sport, game, amusement or exercise within the property of the Forest Preserve District except at such places as may be provided and designated for such purposes by the Board of Commissioners and in accordance with the rules and regulations prescribed by said Board. (1989 Code)

2-4-4: **SWIMMING:** No person shall swim or bathe in any of the swimming pools, watercourses, lakes, ponds or sloughs within the property of the Forest Preserve District except at such places as may be designated for such purposes by the Board of Commissioners and in accordance with the rules and regulations prescribed by said Board. (1989 Code)

2-4-5: **BOATING:**

- A. **General Restrictions:** No person shall bring into, use or navigate any boat, yacht, canoe, plastic, canvass or rubber raft, inner-tube, sail-surf board or other watercraft upon any watercourse, lagoon, lake, pond or slough under the exclusive control of the Forest Preserve District, except at such place or places as may be provided or designated for such purpose by administrative order of the General Superintendent and in accordance with rules and regulations.
- B. **Motorboats Restricted:** No person shall, at any time, bring any gasoline or other fuel-powered boat or outboard motor into or upon any of the waters under the exclusive control of the Board of Commissioners. Electric or battery-powered trolling motors shall not be used in or upon said waters except at such place or places as may be provided or designated for such purpose by administrative order of the General Superintendent of the Forest Preserve District and in accordance with the rules and regulations published and prescribed within the Forest Preserve District "Fishing Guide". (1989 Code)

APPENDIX XIV

NORTH SHORE CHANNEL AT DISCHARGE NUMBER 110

North Shore Channel Discharge Number 110

On May 17, 2002, aquatic and riparian habitat surveys were conducted in the North Shore Channel along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 110.

The average seven-day, ten-year low flow below Discharge No. 110 in the North Shore Channel is estimated to be 0.14 cfs. The width of the study reach is 130 feet. Side depths are 3 feet, while the depth in the center of the channel is 9 feet. Geomorphic stream channel habitat is 100 percent pools. The banks along the waterway are channelized. There is slight to moderate bank erosion throughout most of the study reach.

Riparian land cover is primarily forest with some grassland.

Direct access to the channel from nearby stream banks is limited due to the steep banks. Access to the water from boats is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the banks of the channel. There were no logjams or vegetative debris in the study reach. Attached aquatic vegetation was observed on the right side at 50 feet and on the left, 200 feet downstream of the CSO.

In the center of the channel, 50 feet downstream of the CSO, the sediment was composed of silt. Two hundred feet downstream, the sediment in the center was primarily sludge. The sediment along the left side of the waterway consisted of cobble, gravel, sand, silt, and plant material. Along the right bank, the sediment consisted of gravel, sand, and silt. The sediment was gray to black in color, with a septic odor. In the center of the channel, sediment deposition ranged from 2.5 to 3.3 feet. Sediment deposition along the sides ranged from 0.7 - 2.1 feet. Light oil was observed in the sediment along the left side, in the center of the channel 50 feet downstream, and along the right side and in the center of the channel 200 feet downstream of the CSO. Organic sludge of sanitary origin was observed in the center of the channel 200 feet below the CSO.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the channel is away from Lake Michigan.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 11 : 20

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 110 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.3 Channel Width (ft) 132

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>30</u>	%
Sand (<2mm diameter)	<u>50</u>	%
Gravel (2mm to <16mm diameter)	<u>15</u>	%
Cobble (16mm to <256mm diameter)	<u>5</u>	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grey Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks _____

Coordinates—N 42d 01m 33.5s , W 87d 42m 36.8s

CSO under Oakton St. Bridge - West Bank

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 11 : 30

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 110 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 9.9 Channel Width (ft) 132

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>100</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark Gray Sediment Odor Musky

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 3.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/17/02 Time 11:35

Assessment Observer Wasik, Minarik

Waterbody North Shore Channel

CSO Number 110 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.6 Channel Width (ft) 132

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep Banks

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>5</u>	%
Clay	<u>30</u>	%
Silt (Organic)	<u>50</u>	%
Sand (<2mm diameter)	<u>5</u>	%
Gravel (2mm to <16mm diameter)	<u>10</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.66

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 17 / 02 Time 11 : 45

Assessment Observer Wasik, Minarik

Waterbody North Shore Channel

CSO Number 110 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.8 Channel Width (ft) 132

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep Banks

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>5</u>	%
Clay	_____	%
Silt (Organic)	<u>40</u>	%
Sand (<2mm diameter)	<u>45</u>	%
Gravel (2mm to <16mm diameter)	<u>10</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark Gray Sediment Odor septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.1

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks

Coordinates -N 42d 01m 31.9s , W 87d 42m 36.4s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/17/02 Time 11:45

Assessment Observer Wasik, Minarik

Waterbody North Shore Channel

CSO Number 110 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 8.4 Channel Width (ft) 132

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep Banks

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Sludge	<u>100</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%

Sediment Color Dark Gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.5

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/17/02 Time 11:55

Assessment Observer Wasik

Waterbody North Shore Channel

CSO Number 110 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.6 Channel Width (ft) 132

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	<u>40</u>	%
Gravel (2mm to <16mm diameter)	<u>50</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.66

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Illinois Department of
**Public
Health**

George H. Ryan, Governor • John R. Lumpkin, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

June 10, 2002

Richard Lanyon, Director
Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Dear Mr. Lanyon:

This letter is in response to recent letters from your office regarding any concerns this Department may have regarding discharges that have been issued NPDES Permit Number IL0028088 from the Illinois Environmental Protection Agency. Specifically, your requests to date pertain to discharge numbers 101, 102, 103, 104, 109 and 110.

This Department would have a concern if a bathing beach or other area in which body contact would be expected with the discharged water is in the immediate vicinity. Since this Department does not license any bathing beaches operated by any municipality on Lake Michigan, we are not aware of any concerns that these discharges pose. It is noted that you are asking for comments from the municipalities of Wilmette, Evanston, Skokie and DesPlaines. Representatives of those entities would be better aware of the location of any areas of concern.

If you have any further questions, you can call me at 217/782-5830 or contact our Regional Supervisor for this area, Mr Joe O'Connor at Illinois Department of Public Health, Division of Environmental Health, 245 West Roosevelt Road, West Chicago, Illinois, 60185, telephone 630/293-6800.

Very truly yours,

Signature on file

Pat Metz, Chief
General Engineering Section
Division of Environmental Health

cc: Joe O'Connor

OF GRTR. CHGO.
M.W.R.D.

2002 JUN 17 AM 11:44

DIR. OF R & D



CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)

Division of Resource Review and Coordination

Stephen K. Davis, Chief

Date submitted: <u>6-11-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0204009</u> Date Due: <u>7-11-02</u>
Applicant Name: <u>MWRDGC</u> Contact Person: <u>Richard Canyon</u> Applicant Address: <u>100 E. Erie Street</u> <u>Chicago, IL 60611</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>IL0028088 Discharge #110</u> County: <u>Cook</u> Project Address (if available): _____ City, State, Zip: <u>HIN 13E Sec 23</u> Township/Range/Section (e.g. T45N,R9E,S2): _____ Brief Description of Proposed Action: <u>Sensitive areas evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____	
Will state funds or technical assistance support this action? [Yes <input checked="" type="radio"/> No] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>DEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES <input checked="" type="radio"/> NO] Could the proposed action affect the threatened/endangered species or Natural Area? [YES <input checked="" type="radio"/> NO] Is consultation terminated? <input checked="" type="radio"/> YES / <input type="radio"/> NO Comments: _____	
Evaluated by: Signature on file <u>[Signature]</u> Date: <u>10-21-02</u> Division of Resource Review and Coordination (217) 785-5500	

Copies to: Visit our website at <http://dnr.state.il.us/orep/nrrc/nrrc.htm>

File
Richard Canyon
AXIV-11



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



Celebrating a Century of Conservation!

IN REPLY REFER TO

FWS/AES-CIFO
(T1062)

July 9, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated June 4, 2002 requesting information on endangered or threatened species on or near discharge #110 located at T41N, R13E, Section 23 in Skokie, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

OF GRTR. CHGO.
M.M.R.D.

2002 JUL 12 PM 11:54

DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish & Wildlife Service

Name of Person Responding: Shawn Cirton

Address: 1250 S. Grove Av.

Barrington IL 60010

Telephone Number: 847-381-2253 x7 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 110**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028088
Discharge Number 110**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See copy of cover letter
Lake Michigan is a designated public water supply

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

APPENDIX XV

DES PLAINES RIVER AT DISCHARGE NUMBER 131

**Des Plaines River
Discharge Number 131**

On May 28, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 131.

The average seven-day, ten-year low flow below Discharge No. 131 in the Des Plaines River is estimated to be 55.6 cfs. The width of the study reach is 130 feet. Side depths range from 1 to 2 feet, while the depth in the center of the river is 4 feet. Geomorphic stream habitat is 100 percent pools. The banks along the waterway are natural. There is moderate bank erosion throughout the study reach.

Riparian land cover is principally forest with some grassland.

Direct access to the river from nearby stream banks is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There were logjams on the left at 50 and 200 feet, and on the right 200 feet downstream of the CSO. On the left bank, there was attached aquatic vegetation in the river 50 feet downstream of the CSO.

In the center of the river, the sediment was composed of gravel, clam shells, and a small amount of cobble. The sediment along the left side of the waterway consisted of silt, clay, sand, and gravel. On the right side, the sediment was primarily sludge 200 feet downstream of the CSO, and silt 50 feet downstream. The color of the sediment ranged from brown to gray with a septic odor. In the center of the river, sediment deposition was 0.1 feet. Sediment deposition along the sides ranged from 0.7 to 2.6 feet. Light oil was observed in the sediment along the right side of the river, 200 feet downstream of the CSO.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 10:55

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 131 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.2 Channel Width (ft) 129

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>10</u>	%
Silt (Organic)	<u>90</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.8

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>100</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 11 : 00

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 131 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3 Channel Width (ft) 129

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES ↘ NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES ↘ NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Mussel Shells	<u>10</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>85</u>	%
Cobble (16mm to <256mm diameter)	<u>5</u>	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)

GRASSLAND _____ %	WETLAND _____ %
URBAN RESIDENTIAL _____ %	FOREST _____ %
URBAN COMMERCIAL/INDUSTRIAL _____ %	ROW CROPS _____ %
OTHER (Specify) _____ %	

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 11:05

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 131 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.5 Channel Width (ft) 129

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>5</u>	%
Clay	_____	%
Silt (Organic)	<u>95</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark gray Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.6

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 11 : 15

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 131 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 0.8 Channel Width (ft) 129

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>5</u>	%
Sand (<2mm diameter)	<u>60</u>	%
Gravel (2mm to <16mm diameter)	<u>35</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Earthy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.7

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>100</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 11:20

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 131 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 5.5 Channel Width (ft) 129

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES ↘ NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES ↘ NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Mussel Shells	<u>80</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>20</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Fishy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 11 : 25

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 131 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2 Channel Width (ft) 129

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Sludge	<u>90</u>	%
Clay		%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)		%
Gravel (2mm to <16mm diameter)		%
Cobble (16mm to <256mm diameter)		%
Boulder (>256mm diameter)		%

Sediment Color Brown Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.1

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>20</u>	%	<u>WETLAND</u>		%
<u>URBAN RESIDENTIAL</u>		%	<u>FOREST</u>	<u>80</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>		%	<u>ROW CROPS</u>		%
<u>OTHER</u> (Specify)		%			

Remarks on reverse side



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

One Natural Resources Way, Springfield, IL 62702-1271 George H. Ryan, Governor * Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT
(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: <u>6-18-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0204600</u> Date Due: <u>7-18-02</u>
Applicant Name: <u>MWRDGC</u> Contact Person: <u>Richard Lanyon</u> Applicant Address: <u>100 East Erie Street</u> <u>Chicago IL 60611-3154</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>IL6028053 Discharge #131</u> County: <u>Cook</u> Project Address (if available): _____ City, State, Zip: _____ Township/Range/Section (e.g. T45N,R9E,S2): <u>40N 12E Sec 3</u> Brief Description of Proposed Action: <u>Sensitive areas evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____ Will state funds or technical assistance support this action? [Yes <input checked="" type="checkbox"/>] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>IEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES <input checked="" type="checkbox"/>] Could the proposed action affect the threatened/endangered species or Natural Area? [YES <input checked="" type="checkbox"/>] Is consultation terminated? [YES <input checked="" type="checkbox"/>] Comments: _____	
Evaluated by: <u>Signature on file</u> _____ Date: <u>10-22-02</u> Division of Resource Review and Coordination (217) 785-5500	

Copies to: File
Richard Lanyon
 AXV-10
 Visit our website at <http://dnr.state.il.us/orep/nrrc/nrrc.htm>



United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



Celebrating a Century of Conservation!

IN REPLY REFER TO

FWS/AES-CIFO
(T1092)

July 24 , 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated June 11, 2002 requesting information on endangered or threatened species on or near discharge #131 located at T40N, R12E, Section 3 in Park Ridge, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Acting

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: U.S. Fish & Wildlife Service

Name of Person Responding: Shawn Cinton

Address: 1250 S. Grove Av., Suite 103
Barrington, IL 60010

Telephone Number: 847-381-2253 xt. 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 131**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

02/12/15
02/11/15
02/08/15

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: /s/ Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 131**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See copy of cover letter

DIR. OF R & D
2002 JUN 20 AM 10:17
M.W.R.D.
OF GRTR. CHGO.

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

AXV-15

GEORGE H. RYAN, GOVERNOR



DEPARTMENT OF PUBLIC WORKS

CITY OF PARK RIDGE

505 BUTLER PLACE
PARK RIDGE, IL 60068
TEL: 847/ 318-5200
FAX: 847/ 318-5300
TDD: 847/ 318-5252
www.park-ridge.il.us/prcity

June 25, 2002

Richard Lanyon
Director, Research and Development
100 East Erie Street
Chicago, Illinois 60611-3154

Subject: NPDES Permit Number IL0028053, Discharge Number 131

Dear Mr. Lanyon,

Per your request, included herewith is the completed Sensitive Area Response form for the above referenced subject.

If you have any questions, please contact me.

Sincerely,

Signature on file

Joseph A. Saccomanno
Director of Public Works

JAS/tr

AXV-16

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: City of Park Ridge

Name of Person Responding: Joe Saccomanno

Address: 505 Butler Place
Park Ridge, IL 60068

Telephone Number: (847) 318-5247

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 131**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX XVI

DES PLAINES RIVER AT DISCHARGE NUMBER 132

**Des Plaines River
Discharge Number 132**

On May 28, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 132.

The average seven-day, ten-year low flow below Discharge No. 132 in the Des Plaines River is estimated to be 95.5 cfs. The mean width of the study reach is 96 feet. Side depths range from 2 to 4 feet, while the depth in the center of the river is 4 feet. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are natural. There is moderate bank erosion 50 feet downstream of the CSO.

Riparian land cover is forest and grassland 50 feet downstream. There is a concrete bridge 200 feet downstream of the CSO.

Direct access to the river from nearby stream banks is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There were logjams on the left and right sides at 50 feet. There was no vegetative debris or aquatic vegetation in the study reach.

In the center of the river, the sediment was composed primarily of mussel shells, with a component of silt, sand, and gravel. The sediment 50 feet downstream of the CSO consisted of silt on the left and gravel and sand on the right. Under the bridge, 200 feet downstream of the CSO on both sides, the river bottom is completely scoured. The color of the sediment ranged from brown to black with a septic odor. In the center of the river, sediment deposition ranged from 0.1 to 0.2 feet. Sediment deposition along the sides 50 feet downstream ranged from <0.1 to 0.8 feet. There was no evidence of oil or sludge of sanitary origin in the sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 11:55

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 132 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.7 Channel Width (ft) 102

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>100</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.8

Riparian Land Use (Visual Observation)

GRASSLAND	<u>80</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>20</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

N 41d 59m 7.8s W 87d 51m 23.5s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 12:00

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 132 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4.9 Channel Width (ft) 102

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Mussel Shells	<u>90</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>10</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown/Black Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 12 : 05

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 132 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.9 Channel Width (ft) 102

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	<u>30</u>	%
Gravel (2mm to <16mm diameter)	<u>70</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.03

Riparian Land Use (Visual Observation)

GRASSLAND	<u>50</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>50</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 12:07

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 132 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.5 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Concrete walls under bridge

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%	Bottom scoured
Clay	_____	%	
Silt (Organic)	_____	%	
Sand (<2mm diameter)	_____	%	
Gravel (2mm to <16mm diameter)	_____	%	
Cobble (16mm to <256mm diameter)	_____	%	
Boulder (>256mm diameter)	_____	%	
Bedrock or Concrete	_____	%	

Sediment Color _____ Sediment Odor _____

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) <u>Highway bridge</u>	<u>100</u>	%			

Remarks on reverse side

Additional Remarks Sampling location is under highway bridge. Concrete walls block
access to waterway for 125 feet. N 41d 59m 5.6s W 87d 51m 29.9s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 12:10

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 132 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.1 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Concrete walls under bridge

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Mussel Shells	<u>70</u>	%
	Clay	_____	%
	Silt (Organic)	<u>10</u>	%
	Sand (<2mm diameter)	<u>10</u>	%
	Gravel (2mm to <16mm diameter)	<u>10</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Fishy

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use <small>(Visual Observation)</small>	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER <small>(Specify)</small>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 12:15

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 132 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.6 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Concrete walls under bridge

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Plant Debris	_____	%	Bottom scoured
	Clay	_____	%	
	Silt (Organic)	_____	%	
	Sand (<2mm diameter)	_____	%	
	Gravel (2mm to <16mm diameter)	_____	%	
	Cobble (16mm to <256mm diameter)	_____	%	
	Boulder (>256mm diameter)	_____	%	
Bedrock or Concrete	_____	%		

Sediment Color _____ Sediment Odor _____

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0

Riparian Land Use <small>(Visual Observation)</small>	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify) <u>Highway bridge</u>	<u>100</u>	%			

Remarks on reverse side



CONSULTATION AGENCY ACTION REPORT
(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: 6-18-07
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0204061
Date Due: 7-24-07

Applicant Name: MWRDGC
Contact Person: Richard Lanyon
Applicant Address: 100 East Erie Street
Chicago IL 60611-3154

Phone: 312-751-5600
Fax: _____
E-mail: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: IL 0028053 Discharge #132 County: Cook

Project Address (if available): _____

City, State, Zip: _____

Township/Range/Section (e.g. T45N,R9E,S2): 40N 12E Sec 3

Brief Description of Proposed Action: Sensitive Areas Evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes NO] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits

Contact: _____ Phone: _____
Address: _____ Fax: _____
E-mail: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES / NO]

Could the proposed action affect the threatened/endangered species or Natural Area? [YES / NO]

Is consultation terminated? YES / NO]

Comments: _____

Evaluated by: _____

Signature on file [Signature]

Date: 10-22-07

Division of Resource Review and Coordination (217) 785-5500

Copies to: File
Richard Lanyon



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road • Suite 600 • Rosemont, Illinois 60018-4920 • TEL (847) 823-0500 • FAX (847) 823-0520

June 22, 2002

Metropolitan Water Reclamation District
100 East Erie Street
Chicago, Illinois 60611

Attention: Richard Lanyon
Director Research and Development

Subject: NPDES Permit Number IL0028053, Discharge Number 132

Dear Mr. Lanyon:

I have been asked by the Village of Rosemont to respond to your letter of July 18, 2002 to Mayor Donald E. Stephens regarding the above-referenced discharge. To the best of our knowledge there are no identified "sensitive areas" in the vicinity of the 84" outlet sewer located north of I-90.

Please find enclosed the Sensitive Area Response Form indicating these findings.

Sincerely,


Signature on file

Christopher B. Burke, PhD, PE
President

Encl. as noted

cc: Michael J. Raimondi, Superintendent of Public Works

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: VILLAGE OF Rosemont

Name of Person Responding: Christopher B. Burke P.E., Ph.D., Village Consulting Engineer

Address: 9575 W. Higgins Road

Suite 600

Rosemont IL 60018

Telephone Number: 847-823-0500

Signature of respondent: (Signature on file)

**Subject: NPDES Permit Number IL0028053
Discharge Number 132**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX XVII

DES PLAINES RIVER AT DISCHARGE NUMBER 133

**Des Plaines River
Discharge Number 133**

On May 29, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 133.

The average seven-day, ten-year low flow below Discharge No. 133 in the Des Plaines River is estimated to be 95.5 cfs. The mean width of the study reach is 84 feet. Side depths range from 1 to 3 feet, while the depth in the center of the river is 4.1 feet. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are natural. There is slight to moderate bank erosion throughout the study reach.

Riparian land cover includes forest and grassland.

Direct access to the river from nearby stream banks is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There was a logjam on the left side at 50 feet. There was no vegetative debris or aquatic vegetation in the study reach.

In the center of the river, the principal substrate was clam shells, with a component of silt, sand, and gravel. The sediment 50 feet downstream of the CSO consisted of clam shells with some gravel and cobble on the left and principally gravel and sand on the right. Silt, plant material, sand, and gravel made up the sediment 200 feet downstream of the CSO on both sides. The color of the sediment ranged from brown to gray with a musty odor. In the center of the river, sediment deposition was <0.1 feet. Sediment deposition along the right side of the river was 0.3 feet. Along the left side, sediment deposition was between 1.3 to 2.3 feet. There was no evidence of oil or sludge of sanitary origin in the sediment along the study reach.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 12 : 50

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 133 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.8 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Mussel Shells	<u>80</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	<u>10</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>80</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>20</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks N 41d 58m 20.6s W87d 51m 18.6s

Approximately 25-50% of mussel shells are live

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 13:00

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 133 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.7 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)

(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Mussel Shells	<u>50</u>	%
Clay	_____	%
Silt (Organic)	<u>40</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

Approximately 25-50% of mussel shells are live

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 13:02

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 133 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.4 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Dense vegetation

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	<u>5</u>	%
	Silt (Organic)	<u>5</u>	%
	Sand (<2mm diameter)	<u>35</u>	%
	Gravel (2mm to <16mm diameter)	<u>50</u>	%
	Cobble (16mm to <256mm diameter)	<u>5</u>	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Musty

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>100</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 13 : 05

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 133 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.9 Channel Width (ft) 78

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)

(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>30</u>	%
Clay	_____	%
Silt (Organic)	<u>70</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark gray Sediment Odor Musty

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 2.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>80</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>20</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/29/02 Time 13:08

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 133 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4.5 Channel Width (ft) 78

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGs OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Mussel Shells	<u>30</u>	%
Clay	_____	%
Silt (Organic)	<u>25</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	<u>35</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Musty

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.03

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Additional Remarks

Approximately 25-50% of mussel shells are live

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 29 / 02 Time 13 : 10

Assessment Observer Wasik

Waterbody Des Plaines River

CSO Number 133 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.5 Channel Width (ft) 78

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Mussel Shells	<u>20</u>	%
	Clay	_____	%
	Silt (Organic)	<u>30</u>	%
	Sand (<2mm diameter)	<u>20</u>	%
	Gravel (2mm to <16mm diameter)	<u>30</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor Musty

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.3

Riparian Land Use (Visual Observation)	GRASSLAND	<u>40</u>	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>60</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

Approximately 25 to 50% live mussel shells are live.



CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)

Division of Resource Review and Coordination

Stephen K. Davis, Chief

Date submitted: <u>6-28-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0204289</u> Date Due: <u>7-28-02</u>
Applicant Name: <u>MWRDGE</u> Contact Person: <u>Richard Hanyon</u> Applicant Address: <u>100 E. Erie Street</u> <u>Chicago, IL 60611-3154</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>IL0028053 Discharge #133</u> County: <u>Cook</u> Project Address (if available): _____ City, State, Zip: _____ Township/Range/Section (e.g. T45N,R9E,S2): <u>40N 12E Sec 10</u> Brief Description of Proposed Action: <u>Sensitive Areas Evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____ Will state funds or technical assistance support this action? [Yes] <input checked="" type="checkbox"/> [No] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>IEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES] <input checked="" type="checkbox"/> [NO] Could the proposed action affect the threatened/endangered species or Natural Area? [YES] <input checked="" type="checkbox"/> [NO] Is consultation terminated? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Comments: _____	
Evaluated by: <u>Signature on file</u> Division of Resource Review and Coordination (217) 785-5500	
Date: <u>10-22-02</u>	

Copies to:

File

Richard Hanyon



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217/782-1654

July 23, 2002

DIR. OF R & D
2002 JUL 30 PM 1:07
M.W.R.D.
OF GRTR. CHGO.

Mr. Richard Lanyon
Director of Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

Subject: NPDES Permit IL0028053, Discharge Number 133

Dear Mr. Lanyon:

This is a response to your letter dated June 25, 2002 in which you request the Agency's opinion on whether the subject discharge is located in a "sensitive area."

On July 11, 2000, the Agency's Mr. Rob Sulski visited the outfall location and found:

1. discharge Number 133 is on a General Use rated reach of the Des Plaines River;
2. there is sufficient water depth in the river at and immediately downstream of the outfall to allow full body immersion;
3. there are no physical barriers to prevent entry into the river;
4. there are no warning signs or other notices discouraging swimming; and
5. there is a well developed and used access road and recreational path leading directly to the outfall.

35 IAC 302.202 states, in part, that "Primary contact uses are protected for all General Use waters whose physical configuration permits such use."

Should other information arise or circumstances change indicating primary contact is prevented at Discharge 133, the Agency will be happy to revisit the matter.

If you have any questions concerning this letter, please contact Rob Sulski at 847/294-4037.

Sincerely,

Signature on file

Marcia T. Willhite, Chief
Bureau of Water



DEPARTMENT OF PUBLIC WORKS

CITY OF PARK RIDGE

505 BUTLER PLACE
PARK RIDGE, IL 60068

TEL: 847/ 318-5200

FAX: 847/ 318-5300

TDD: 847/ 318-5252

www.park-ridge.il.us/prcity

June 28, 2002

Richard Lanyon
Director, Research and Development
100 East Erie Street
Chicago, IL 60611-3154

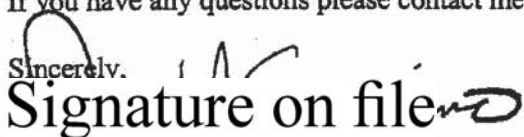
Subject: NPDES Permit Number IL0028053, Discharge Number 133

Dear Mr. Lanyon,

Per your request, included within is the completed Sensitive Area Response form for the above referenced subject.

If you have any questions please contact me.

Sincerely,

Signature on file 

Joseph A. Saccomanno
Director of Public Works

JAS/tr

RECEIVED
CITY OF PARK RIDGE, ILL.

2002 JUL -1 PM 11:32

DIR. OF R & D

AXVII-16

Our Mission: The City of Park Ridge is committed to providing excellence in City services in order to uphold a high quality of life, so our community remains a wonderful place to live and work.

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: City of Park Ridge

Name of Person Responding: Joe Saccomanno

Address: 505 Butler Place
Park Ridge, IL 60068

Telephone Number: (847) 318-5247

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 133**

We have examined our records and determined that the subject discharge does ___ / does not X fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX XVIII

DES PLAINES RIVER AT DISCHARGE NUMBER 134

Des Plaines River
Discharge Number 134

On June 27, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 134.

The average seven-day, ten-year low flow below Discharge No. 134 in the Des Plaines River is estimated to be 95.8 cfs. The mean width of the study reach is 101 feet. Side depths range from 1 to 2 feet, while the depth in the center of the river is 2.5 feet. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are natural. There is slight to moderate bank erosion 200 feet downstream of the CSO. A concrete bridge (North Avenue) is located 50 feet upstream.

Riparian land cover is principally forest with a small amount of grassland.

Direct access to the river from nearby stream banks is possible, although most areas have fairly steep banks.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There were logjams on the right side and in the center 50 feet below the CSO. There was no vegetative debris or aquatic vegetation observed in the study reach.

In the center of the river, the principal substrate types were boulder and cobble, 50 and 200 feet downstream, respectively. The sediment 50 feet downstream of the CSO on the sides consisted mostly of gravel with some sand, clay, and silt. On the left side 200 feet downstream, the sediment was composed primarily of plant material, with a small component of sand and gravel, while the right side was mostly sand with gravel, silt, and clay. The color of the sediment ranged from brown to gray to black. A hydrogen sulfide odor was detected on the left side, 200 feet below the CSO. No other odors were noted in the study reach. In the center of the river, sediment deposition ranged from 0.1 to 0.2 feet. Sediment deposition on the sides ranged from 0.1 to 0.6 feet. There was no evidence of oil or sludge of sanitary origin in the study reach sediments.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 10:35

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 134 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.4 Channel Width (ft) 138

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE NA (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>20</u>	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>80</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Light Gray Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>10</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>90</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER</u> (Specify)	_____	%			

Remarks on reverse side

Additional Remarks _____

GPS Coordinates: N41d 54m 30s W 87d 49m 27.5s

Under North Ave. Bridge on the east bank

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 10:38

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 134 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.7 Channel Width (ft) 138

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE NA (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	<u>10</u>	%
Clay	<u>10</u>	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	<u>70</u>	%
Bedrock or Concrete	_____	%

Sediment Color Gray Black Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 10:55

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 134 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 0.73 Channel Width (ft) 138

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE NA (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	<u>30</u>	%
Gravel (2mm to <16mm diameter)	<u>60</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.33

Riparian Land Use (Visual Observation)

GRASSLAND	<u>10</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>90</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks _____

Site in line with a flowing storm sewer.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 11:03

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 134 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.3 Channel Width (ft) 64

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER (Specify) _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>10</u>	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	<u>60</u>	%
Gravel (2mm to <16mm diameter)	<u>20</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Light brown Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>20</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>80</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06 / 27 / 02 Time 11 : 08

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 134 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.4 Channel Width (ft) 64

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (Specify) _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>20</u>	%
Cobble (16mm to <256mm diameter)	<u>70</u>	%
Boulder (>256mm diameter)	_____	%
Mussel Shells	<u>10</u>	%

Sediment Color Brown Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Additional Remarks _____

GPS Coordinates: _____

N41d 54m 29s W87d 49m 28.3s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 11:10

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 134 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.8 Channel Width (ft) 64

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	<u>80</u>	%
	Clay	_____	%
	Silt (Organic)	<u>10</u>	%
	Sand (<2mm diameter)	<u>10</u>	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Black Sediment Odor rotten / H2S

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.6

Riparian Land Use (Visual Observation)	GRASSLAND	<u>30</u>	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>70</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side



CONSULTATION AGENCY ACTION REPORT
(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: <u>7-8-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0300116</u> Date Due: <u>8-7-02</u>
Applicant Name: <u>MWRDGC</u> Contact Person: <u>Richard Hanyon</u> Applicant Address: <u>100 E. Erie St.</u> <u>Chicago IL 60611-3154</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>TH0028053 Discharge #134</u> County: <u>COOK</u> Project Address (if available): _____ City, State, Zip: _____ Township/Range/Section (e.g. T45N,R9E,S2): <u>40N 12E Sec 36</u> Brief Description of Proposed Action: <u>Sensitive areas evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____ Will state funds or technical assistance support this action? [Yes <input checked="" type="checkbox"/> NO] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>IEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES <input checked="" type="checkbox"/> NO] Could the proposed action affect the threatened/endangered species or Natural Area? [YES <input checked="" type="checkbox"/> NO] Is consultation terminated? <input checked="" type="checkbox"/> YES / NO] Comments: _____	
Evaluated by: Signature on file <u>[Signature]</u> Date: <u>10-22-02</u> Division of Resource Review and Coordination (217) 785-5500	

Copies to: Visit our website at <http://dnr.state.il.us/orep/nrrc/nrrc.htm>

File
Richard Hanyon



IN REPLY REFER TO

FWS/AES-CIFO
(T1169)

United States Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

August 6, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated July 2, 2002 requesting information on endangered or threatened species on or near discharge #134 located at T40N, R12E, Section 36 in Elmwood Park, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project site in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Enclosure

DIR. OF R & D.
H.A.R.D.
OF GRTR. CHGO.

2002 AUG 12 PM 12:06

DIR. OF R & D.

AXVIII-13

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: US Fish + Wildlife Service

Name of Person Responding: Shawn Cilton

Address: 1250 S. Grove Av., Ste. 103
Barrington, IL 60010

Telephone Number: 847-381-2253 x 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 134**

We have examined our records and determined that the subject discharge does ___ / does not ___ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
- ③ 3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

02/13/12 PM 1:57
M.C. R&D

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: _____

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 134**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See attached copy of letter

Chrom



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

DIR. OF R & D
91-1111XXV
2002 JUL 15 PM 11:54
M.W.R.D.
OF GRTR. CHGO.

APPENDIX XIX

DES PLAINES RIVER AT DISCHARGE NUMBER 135

Des Plaines River Discharge Number 135

On June 27, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 135.

The average seven-day, ten-year low flow below Discharge No. 135 in the Des Plaines River is estimated to be 96.0 cfs. The width of the study reach is 90 feet. Side depths range from 2 to 3 feet, while the depth in the center of the river is 3.7 feet. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are natural. There is severe bank erosion 50 feet downstream on the left side of the river, and slight to moderate erosion along the right bank.

Riparian land cover includes forest and grassland.

Direct access to the river from nearby stream banks is possible from the right side of the river. The left side is restricted by a fence.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There was a logjam on the left 200 feet below the CSO. There was no vegetative debris or aquatic vegetation observed in the study area.

In the center of the river, the principal substrate type was gravel, with sand and silt components. The sediment 50 feet downstream of the CSO on the sides consisted mostly of silt with some sand, gravel, and clay. On the left side, 200 feet downstream, the sediment was principally silt with a small component of sand and gravel, while the right side sediment was composed of clay and silt. The color of the sediment ranged from brown to gray. No odor or a slight odor of decomposing vegetation was detected in the sediment. In the center of the river, sediment deposition ranged from 0.4 to 0.5 feet. Sediment deposition on the sides ranged from <0.1 - 0.3 feet on the left, and 1.0 to 1.3 on the right. There was no evidence of oil or sludge of sanitary origin in sediment along the study reach.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 6/27/020 Time 11:35

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 135 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.8 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>70</u>	%
Sand (<2mm diameter)	<u>15</u>	%
Gravel (2mm to <16mm diameter)	<u>15</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark Gray Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.3

Riparian Land Use (Visual Observation)

GRASSLAND	<u>50</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>50</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 11:40

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 135 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4.1 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>20</u>	%
Sand (<2mm diameter)	<u>30</u>	%
Gravel (2mm to <16mm diameter)	<u>40</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark gray Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.4

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Additional Remarks _____

GPS Coordinates:

N 41d 53m 36s W 87d 49m 59.5s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 11:40

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 135 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.8 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>60</u>	%
Silt (Organic)	<u>40</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Dark gray Sediment Odor Rotten

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 1.0

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>80</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>20</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER</u> (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 11:45

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 135 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.6 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	<u>20</u>	%
Silt (Organic)	<u>30</u>	%
Sand (<2mm diameter)	<u>30</u>	%
Gravel (2mm to <16mm diameter)	<u>20</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Light brown Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.03

Riparian Land Use (Visual Observation)

GRASSLAND	<u>20</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>80</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 11:55

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 135 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.7 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Fence

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>70</u>	%
Sand (<2mm diameter)	<u>15</u>	%
Gravel (2mm to <16mm diameter)	<u>15</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Grayish brown Sediment Odor slight rotting smell

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.32

Riparian Land Use (Visual Observation)

GRASSLAND	<u>20</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>80</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06 / 27 / 02 Time 11 : 57

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 135 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.3 Channel Width (ft) 90

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER (Specify) (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES ↘ NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES ↘ NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>90</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.5

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

One Natural Resources Way, Springfield, IL 62702-1271

George H. Ryan, Governor * Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT
(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: <u>7-9-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0300180</u> Date Due: <u>8-11-02</u>
Applicant Name: <u>MWRDGC</u> Contact Person: <u>Richard Lanyon</u> Applicant Address: <u>100 E. Erie Street</u> <u>Chicago IL 60611-3154</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>IL0028053 Discharge #135</u> County: <u>COOK</u> Project Address (if available): _____ City, State, Zip: _____ Township/Range/Section (e.g. T45N,R9E,S2): <u>39N 12E Sec 3</u> Brief Description of Proposed Action: <u>Sensitive Areas Evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____ Will state funds or technical assistance support this action? [Yes] <input checked="" type="radio"/> [No] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>IEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES] <input checked="" type="radio"/> [NO] Could the proposed action affect the threatened/endangered species or Natural Area? [YES] <input checked="" type="radio"/> [NO] Is consultation terminated? <input checked="" type="radio"/> YES <input type="radio"/> NO Comments: _____	
Evaluated by: Signature on file _____ Date: <u>10-22-02</u> Division of Resource Review and Coordination (217) 785-5500	

Copies to: file
Richard Lanyon
AKIX-10

Visit our website at <http://dnr.state.il.us/orep/nrrc/nrrc.htm>

United States Department of the Interior



IN REPLY REFER TO

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

FWS/AES-CIFO
(T1204)

August 30, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated July 9, 2002 requesting information on endangered or threatened species on or near discharge #135 located at T39N, R12E, Section 2 in Maywood, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

U.S. FISH AND WILDLIFE SERVICE
CHICAGO, ILLINOIS
2002 SEP -6 AM 11:15
DIR. OF R & D

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

Acting
John D. Rogner
Field Supervisor

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: USFWS

Name of Person Responding: Shawn Citron

Address: 1250 S. Grove Av., Ste. 103
Barrington, IL 60010

Telephone Number: 847-381-2253 xt 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 135**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Moshur

Address: _____

Telephone Number: _____

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028053
Discharge Number 135

We have examined our records and determined that the subject discharge does ___ / does not Y fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

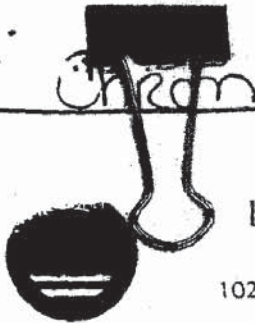
(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See copy of cover letter

OF GRTR. CHGO.
M.W.R.D.

2002 JUL 22 AM 11:43

DIV. OF R & D



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

APPENDIX XX

DES PLAINES RIVER AT DISCHARGE NUMBER 136

**Des Plaines River
Discharge Number 136**

On June 27, 2002, aquatic and riparian habitat surveys were conducted in the Des Plaines River along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 136.

The average seven-day, ten-year low flow below Discharge No. 136 in the Des Plaines River is estimated to be 96.8 cfs. The mean width of the study reach is 91 feet. Side depths range from 2 to 5 feet, while the depth in the center of the river is 5 feet. Geomorphic stream habitat is 100 percent pools. The banks along the waterway are natural. Bank erosion was slight along the study reach, except for severe erosion 200 feet downstream on the left side of the river.

Riparian land cover is principally forest and grassland.

Direct access to the river from nearby stream banks is possible.

No sanitary odor was detected in the water. No sanitary debris was observed along the river banks. There was a logjam on the left side 50 feet below the CSO. There was no vegetative debris or aquatic vegetation observed in the study reach.

In the center of the river 50 feet downstream of the CSO, the substrate consisted of silt, gravel, and clam shells. Further downstream of the CSO, the substrate type was cobble. The sediment 50 feet downstream of the CSO on the sides consisted mostly of silt with some sand, gravel, and clay. Sand and silt made up the sediment 200 feet downstream on the sides. The color of the sediment was brown. Except for a decaying plant odor in the center 50 feet downstream of the CSO, there were no other odors detected. In the center of the river, sediment deposition ranged from 0.1 to 0.3 feet. Sediment deposition on the sides ranged from 0.1 to 0.3 feet. There was no evidence of oil or sludge of sanitary origin in the sediment along the study reach.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the river is south/southwest.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 1:00

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 136 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 3.3 Channel Width (ft) 83

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Steep banks

Aquatic Vegetation YES NO (circle one)

If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	<u>90</u>	%
	Sand (<2mm diameter)	<u>10</u>	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color grayish brown Sediment Odor none

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.33

Riparian Land Use (Visual Observation)	GRASSLAND	<u>50</u>	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>50</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

GPS Coordinates

N 41d 51m 49.7s W 87d 49m 36.7s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 1:03

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 136 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 5 Channel Width (ft) 83

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	_____	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	<u>100</u>	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)	<u>GRASSLAND</u>	_____	%	<u>WETLAND</u>	_____	%
	<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	_____	%
	<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
	<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 1:05

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 136 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4.7 Channel Width (ft) 83

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER (Specify) _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
 (If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
 If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>20</u>	%
Sand (<2mm diameter)	<u>80</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.13

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	<u>10</u>	%	<u>WETLAND</u>	_____	%
<u>URBAN RESIDENTIAL</u>	_____	%	<u>FOREST</u>	<u>90</u>	%
<u>URBAN COMMERCIAL/INDUSTRIAL</u>	_____	%	<u>ROW CROPS</u>	_____	%
<u>OTHER (Specify)</u>	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 1:10

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 136 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4 Channel Width (ft) 100

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER cement pilings (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE NA (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	<u>10</u>	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	<u>80</u>	%
Bedrock or Concrete	_____	%

Sediment Color brown Sediment Odor no

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.1

Riparian Land Use (Visual Observation)

GRASSLAND	<u>60</u>	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>40</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Additional Remarks

GPS Coordinates:

N 41d 51m 52.4s W 87d 49m 37.4s

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 1:15

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 136 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.8 Channel Width (ft) 100

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle)

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	_____	%
	Clay	_____	%
	Silt (Organic)	_____	%
	Sand (<2mm diameter)	<u>10</u>	%
	Gravel (2mm to <16mm diameter)	<u>20</u>	%
	Cobble (16mm to <256mm diameter)	<u>70</u>	%
	Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	_____	%	

Sediment Color Brown Sediment Odor NO

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.2

Riparian Land Use (Visual Observation)	GRASSLAND	<u>100</u>	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	_____	%
	URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 06/27/02 Time 1:15

Assessment Observer Sopcak Wasik Schackart Szafoni Minarik Vick

Waterbody Des Plaines River

CSO Number 136 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 4.7 Channel Width (ft) 100

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle)

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>40</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>40</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Mussel Shells	<u>20</u>	%

Sediment Color Brown Sediment Odor Rotten

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.33

Riparian Land Use (Visual Observation)

<u>GRASSLAND</u>	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

One Natural Resources Way, Springfield, IL 62702-1271 George H. Ryan, Governor * Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT

(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: <u>7-16-02</u> If this is a resubmittal, include previous IDNR response if available.	FOR DEPARTMENT USE ONLY PROJCODE: <u>0300452</u> Date Due: <u>8-18-02</u>
Applicant Name: <u>MWRDGC</u> Contact Person: <u>Richard Lawson</u> Applicant Address: <u>100 East Erie Street</u> <u>Chicago IL 60611-3154</u>	Phone: <u>312-751-5600</u> Fax: _____ E-mail: _____
LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED Project Name: <u>Ih0028053 Discharge #136</u> County: <u>Cook</u> Project Address (if available): _____ City, State, Zip: _____ Township/Range/Section (e.g. T45N,R9E,S2): <u>39N 12E Sec 14</u> Brief Description of Proposed Action: <u>Sensitive Areas Evaluation</u>	
Projected Start Date and End Date of Proposed Action: _____ Will state funds or technical assistance support this action? [Yes <input checked="" type="checkbox"/> No] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.	
Local/State Agency with Project Jurisdiction: <u>IEPA/BOW/Permits</u> Contact: _____ Phone: _____ Address: _____ Fax: _____ E-mail: _____	
FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES <input checked="" type="checkbox"/> NO] Could the proposed action affect the threatened/endangered species or Natural Area? [YES <input checked="" type="checkbox"/> NO] Is consultation terminated? [YES <input checked="" type="checkbox"/> NO] Comments: _____	
Evaluated by: <u>M. Signature on file</u> Division of Resource Review and Coordination (217) 785-5500	
Date: <u>10-22-02</u>	

Visit our website at <http://dnr.state.il.us/orep/nrrc/nrrc.htm>

Copies to: file

AXX-11

Richard Lawson

United States Department of the Interior



IN REPLY REFER TO

FWS/AES-CIFO
(T1238)

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

August 30, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated July 16, 2002 requesting information on endangered or threatened species on or near discharge #136 located at T39N, R12E, Section 14 in Maywood, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

2002 SEP -6 AM 11-15
OF R & D
OF CRIT. CHGD.

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

Actus
John D. Rogner
Field Supervisor

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: USFWS

Name of Person Responding: Shawn Cirtton

Address: 1250 S. Grove Av., Ste. 103
Barrington, IL 60010

Telephone Number: 847-381-2253 xt 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 136**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form

Name of Responding Organization: Illinois EPA

Name of Person Responding: Robert Mosher

Address: _____

Telephone Number: 217-558-2012

Signature of respondent: Signature on file

Subject: NPDES Permit Number IL0028053
Discharge Number 136

We have examined our records and determined that the subject discharge does ___ / does not ✓ fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

- 1. Designated Outstanding National Resource Waters
- 2. National Marine Sanctuaries
- 3. Waters with threatened or endangered species and their habitat
- 4. Shellfish beds
- 5. Waters with primary contact recreation
- 6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

See copy of cover letter



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

RENEE CIPRIANO, DIRECTOR

217-782-3362

April 5, 2002

Mr. Richard Lanyon
Director, Research and Development
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, IL 60611-3154

RE: Requested Information Regarding NPDES Permit No. IL0028061

Dear Mr. Lanyon:

Attached is the Bureau of Water response to your letter, dated March 25, 2002 and received on March 29, 2002, requesting information concerning the above NPDES permit. You will note that the Illinois EPA is qualified to answer numbers 1, 2 and 6 regarding sensitive areas criteria as listed in your letter. Information for these criteria is provided on the attached form.

Designated Outstanding National Resource Waters (No. 1) as defined in federal antidegradation regulations, are not found in Illinois. The state antidegradation water quality standard administered by the Illinois Pollution Control Board and implemented by Illinois EPA has a similar provision called Outstanding Resource Waters (ORWs). As of this time, no such waters have been designated. A hearing process before the Board must be completed before an ORW is recognized.

There are no National Marine Sanctuaries (No. 2) in Illinois.

Public drinking water intakes (No. 6) are protected in Illinois by 35 IAC 302 Subpart C. The Agency keeps track of all such designated areas on lakes and streams. We will be able to provide these locations in reference to CSO situations. As far as the Chicago area is concerned, the only surface water designated as a drinking water supply is Lake Michigan.

The Illinois EPA is not able to provide information on waters with primary contact recreation. This is often a very localized water use. While General Use and Lake Michigan Basin waters are protected for primary contact recreation (unless a Use Attainability Analysis has been performed indicating otherwise) the actual occurrence of primary contact recreation is very site-specific. Very often a local survey must be performed to determine this use. Many waters obviously support this use and surveys are unnecessary. However, other waters may support this use in less obvious ways and determining the lack of such use may require some investigation. I am enclosing an Agency rule that explains how waters are determined to support primary contact recreation for the disinfection exemption program. If you have any questions about these methods, please contact me.

Sincerely,

Signature on file

Robert Mosher, Acting Manager
Water Quality Standards Section
Bureau of Water

RM:jaf/lanyonil28061

Attachment

DIR. OF R & D
91-XX-16
2002 JUL 26 PM 2: 27
OF GRTR. CHGO.
R.M.O.



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road • Suite 600 • Rosemont, Illinois 60018-4920 • TEL (847) 823-0500 • FAX (847) 823-0520

August 26, 2002

Metropolitan Water Reclamation District
100 East Erie Street
Chicago, Illinois 60611

Attention: Richard Lanyon
Director Research and Development

Subject: NPDES Permit Number IL0028053, Discharge Number 136

Dear Mr. Lanyon:

I have been asked by the Village of Forest Park to respond to your letter of August 14, 2002 to Mayor Anthony Calderone regarding the above-referenced discharge. To the best of our knowledge there are no identified "sensitive areas" in the vicinity of Discharge #136.

Please find enclosed the Sensitive Area Response Form indicating these findings.

Sincerely,

Signature on file

Christopher B. Burke, PhD, PE
President

Encl. as noted

cc: Mayor Anthony Calderone

DIR. OF R & D
AXX-17
2002 AUG 27 AM 10:00
RECEIVED
OF GRTR. CHGO.

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: Village of Forest Park

Name of Person Responding: Christopher B. Burke, PhD, PE, Village Consulting Engineer

Address: 9575 W. Higgins Road

Suite 600

Rosemont, IL 60018

Telephone Number: 847-823-0500

Signature of respondent: _____

**Subject: NPDES Permit Number IL0028053
Discharge Number 136**

We have examined our records and determined that the subject discharge does ___ / does not X fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)

APPENDIX XXI

ADDISON CREEK AT DISCHARGE NUMBER 150

Addison Creek Discharge Number 150

On May 22, 2002, aquatic and riparian habitat surveys were conducted in Addison Creek along cross-sectional transects, 50 and 200 feet downstream from Discharge No. 150.

The average seven-day, ten-year low flow below Discharge No. 150 in Addison Creek is estimated to be 2.4 cfs. The mean width of the study reach is 28 feet. Side depths range from 1 to 3 feet, while the depth in the center of the river is 2 feet. Geomorphic stream habitat is 100 percent runs. The banks along the waterway are channelized. There is severe bank erosion throughout most of the study reach.

Riparian land cover is principally urban commercial development and forest.

Steep banks may prevent direct access to the creek. There is a bridge and concrete walls 50 feet and 200 feet, respectively, downstream of the CSO, with a storm sewer on the left side at 200 feet.

No sanitary odor was detected in the water. No sanitary debris was observed along the banks of the study reach except on the left side 200 feet downstream of the CSO. A logjam was also noted at this location. There was no vegetative debris or aquatic vegetation observed in the study reach.

In the center and on the right side of the creek, the substrate consisted primarily of concrete bedrock with a small amount of silt and sand. On the left 50 feet downstream of the CSO, the sediment consisted of plant material, clam shells, silt, gravel, and broken concrete. The sediment 200 feet downstream of the CSO on the left consisted of bedrock and sludge. The color of the sediment ranged from brown to black. A septic odor occasionally was noted in the sediment. In the center and the sides of the river, sediment deposition ranged from <0.1 to 0.1 feet. There was no evidence of oil in the sediment. Organic sludge of sanitary origin was present in the sediment 200 feet downstream of the CSO on the left side of the creek.

Note: Left-right orientation is upstream, assuming that the dominant direction of flow in the creek is south.

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/22/02 Time 11:45

Assessment Observer Sopcak

Waterbody Addison Creek

CSO Number 150 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.09 Channel Width (ft) 29.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGs OTHER Concrete bank (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep Bank

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition <small>(Visual Observation)</small>	Plant Debris	<u>10</u>	%
	Clay	_____	%
	Silt (Organic)	_____	%
	Sand (<2mm diameter)	<u>5</u>	%
	Gravel (2mm to <16mm diameter)	_____	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	<u>85</u>	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using .1 inch diameter probe) 0.1

Riparian Land Use <small>(Visual Observation)</small>	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>10</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	<u>90</u>	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 22 / 02 Time 11 : 55

Assessment Observer: Sopcak

Waterbody Addison Creek

CSO Number 150 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.4 Channel Width (ft) 29.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILINGS OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	<u>80</u>	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	<u>20</u>	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.07

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 22 / 02 Time 12 : 00

Assessment Observer Sopcak

Waterbody Addison Creek

CSO Number 150 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.25 Channel Width (ft) 29.5

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep Bank

Aquatic Vegetation YES NO
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)	Plant Debris	<u>40</u>	%
	Mussel shells	<u>10</u>	%
	Silt (Organic)	<u>10</u>	%
	Sand (<2mm diameter)	_____	%
	Gravel (2mm to <16mm diameter)	<u>30</u>	%
	Cobble (16mm to <256mm diameter)	_____	%
	Boulder (>256mm diameter)	_____	%
	Bedrock or Concrete	<u>10</u>	%

Sediment Color Black Sediment Odor Septic

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.03

Riparian Land Use (Visual Observation)	GRASSLAND	_____	%	WETLAND	_____	%
	URBAN RESIDENTIAL	_____	%	FOREST	<u>20</u>	%
	URBAN COMMERCIAL/INDUSTRIAL	<u>80</u>	%	ROW CROPS	_____	%
	OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 22 / 02 Time 12 : 20

Assessment Observer Sopcak

Waterbody Addison Creek

CSO Number 150 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.5 Channel Width (ft) 27

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND

SHEET PILINGs OTHER Storm sewer (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)

(If YES, describe obstacle) Steep bank

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Sludge	<u>50</u>	%
Clay	_____	%
Silt (Organic)	_____	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	<u>50</u>	%

Sediment Color Dark Grey Sediment Odor Musty

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0.06

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>20</u>	%
URBAN COMMERCIAL/INDUSTRIAL	<u>80</u>	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05 / 22 / 02 Time 12 : 25

Assessment Observer Sopcak

Waterbody Addison Creek

CSO Number 150 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 2.7 Channel Width (ft) 27

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) _____

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	<u>90</u>	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	_____	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify) _____	_____	%			

Remarks on reverse side

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

Date 05/22/02 Time 12:30

Assessment Observer Sopcak

Waterbody Addison Creek

CSO Number 150 Distance Below CSO (ft) 50 200 (circle one)

Assessment Location Facing Upstream LEFT CENTER RIGHT (circle one)

Channel Habitat POOL RUN RIFFLE (circle one)

Water Depth (ft) 1.4 Channel Width (ft) 27

Water Level LOW NORMAL HIGH FLOODED (circle one)

Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAND
SHEET PILING OTHER _____ (circle one)
(Specify)

Channelization YES NO (circle one)

Bank Erosion SLIGHT MODERATE SEVERE (circle one)

Logjam or Debris Build-up YES NO (circle one)

Physical Obstacle Preventing Access YES NO (circle one)
(If YES, describe obstacle) Steep Bank

Aquatic Vegetation YES NO (circle one)
If YES, is vegetation FLOATING ATTACHED (circle one)

Sanitary Waste Odor in Water YES NO (circle one)

Sanitary Debris on Banks YES NO (circle one)

Sediment Composition (Visual Observation)

Plant Debris	_____	%
Clay	_____	%
Silt (Organic)	<u>10</u>	%
Sand (<2mm diameter)	_____	%
Gravel (2mm to <16mm diameter)	_____	%
Cobble (16mm to <256mm diameter)	_____	%
Boulder (>256mm diameter)	_____	%
Bedrock or Concrete	<u>90</u>	%

Sediment Color Brown Sediment Odor None

Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one)

Depth of Fines (In feet using 1 inch diameter probe) 0

Riparian Land Use (Visual Observation)

GRASSLAND	_____	%	WETLAND	_____	%
URBAN RESIDENTIAL	_____	%	FOREST	<u>100</u>	%
URBAN COMMERCIAL/INDUSTRIAL	_____	%	ROW CROPS	_____	%
OTHER (Specify)	_____	%			

Remarks on reverse side



Illinois
Department of
Natural Resources

<http://dnr.state.il.us>

One Natural Resources Way, Springfield, IL 62702-1271

George H. Ryan, Governor * Brent Manning, Director

CONSULTATION AGENCY ACTION REPORT
(Illinois Administrative Code Title 17 Part 1075)
Division of Resource Review and Coordination
Stephen K. Davis, Chief

Date submitted: 7-26-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0300612
Date Due: 8-25-02

Applicant Name: MWRDGC
Contact Person: Richard Harrison
Applicant Address: 100 E Erie Street
Chicago IL 60611

Phone: 312-751-5600
Fax: _____
E-mail: _____

LOCATION OF PROPOSED ACTION

A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED

Project Name: IL0028053 Discharge 150 County: Cook
Project Address (if available): _____
City, State, Zip: _____
Township/Range/Section (e.g. T45N,R9E,S2): 39 N 12 E Sec 21
Brief Description of Proposed Action: Sensitive areas evaluation

Projected Start Date and End Date of Proposed Action: _____

Will state funds or technical assistance support this action? [Yes | No] If Yes, the Interagency Wetlands Policy Act will apply. Contact the funding agency or this Division for details.

Local/State Agency with Project Jurisdiction: IEPA/BOW/Permits
Contact: _____ Phone: _____
Address: _____ Fax: _____
E-mail: _____

FOR DEPARTMENT USE ONLY

Are endangered/threatened species or Natural Areas present in the vicinity of the action? [YES/NO]
Could the proposed action affect the threatened/endangered species or Natural Area? [YES/NO]
Is consultation terminated? [YES/NO]
Comments: _____

Evaluated by:

M Signature on file

Date: 10-22-02

Division of Resource Review and Coordination (217) 785-5500

United States Department of the Interior



IN REPLY REFER TO

U.S. FISH AND WILDLIFE SERVICE

Chicago Illinois Field Office
1250 South Grove Avenue, Suite 103
Barrington, Illinois 60010
847-381-2253 847-381-2285 (Fax)



*Celebrating a
Century
of Conservation!*

FWS/AES-CIFO
(T1267)

August 30, 2002

Mr. Richard Lanyon
Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-3154

Dear Mr. Lanyon:

This responds to your letter dated July 23, 2002 requesting information on endangered or threatened species on or near discharge #150 located at T39N, R12E, Section 21 in Westchester, Cook County, Illinois as depicted on the map you enclosed.

Based on the information provided in your submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect any federally threatened or endangered species or adversely modify critical habitat of such species. This precludes the need for consultation on this project in accordance with section 7 of the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected, and the project is funded, authorized or carried out by a Federal agency, then consultation with the Service should be initiated by the Federal action agency.

This letter only addresses federally listed species; the Illinois Department of Natural Resources should be contacted for information on State-listed species. Any impacts to wetlands or waters of the United States may require a permit from the U. S. Army Corps of Engineers. This letter does not preclude separate evaluation and comment by the U. S. Fish and Wildlife Service on wetland impacts proposed for Section 404, Clean Water Act authorization.

109HO 2129 HO
OF NATL CHGO

2002 SEP -6 AM 11:15

DIV. OF R & D

AXXI-14

Mr. Richard Lanyon

2

If you have any questions, please contact Mr. Shawn Cirton at 847/381-2253, ext. 236.

Sincerely,

Signature on file

John D. Rogner
Field Supervisor

Aut

Enclosure

**Metropolitan Water Reclamation District of Greater Chicago
Sensitive Area Response Form**

Name of Responding Organization: USFWS

Name of Person Responding: Shawn Clinton

Address: 1250 S. Grand Av., Ste. 103
Barrington, IL 60010

Telephone Number: 847-381-2253 x 236

Signature of respondent: Signature on file

**Subject: NPDES Permit Number IL0028053
Discharge Number 150**

We have examined our records and determined that the subject discharge does ___ / does not fall within one or more of the following categories of sensitive areas:

(Circle all categories that apply)

1. Designated Outstanding National Resource Waters
2. National Marine Sanctuaries
3. Waters with threatened or endangered species and their habitat
4. Shellfish beds
5. Waters with primary contact recreation
6. Public drinking water intakes or their designated protection areas

Our determination is based on the enclosed documentation:

(Supply supporting documentation for each category and reference the source in the space provided below or on additional pages)
