

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

(312) 751-5600

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

 $\mathbf{B}\mathbf{y}$

Richard Lanyon
Director of Research and Development

Irwin Polls Microbiologist IV

Jennifer Wasik Biologist I

Research and Development Department

February 2003

APPENDIX I

TYPICAL LETTERS SEEKING INFORMATION AND TABULATION OF RESPONSES RECEIVED

Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312-751-5600

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BOARD OF COMMISSIONERS

Richard Lanyon
Director of Research & Development

March 25, 2002

312 - 751 - 5190

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.
- 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.

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.

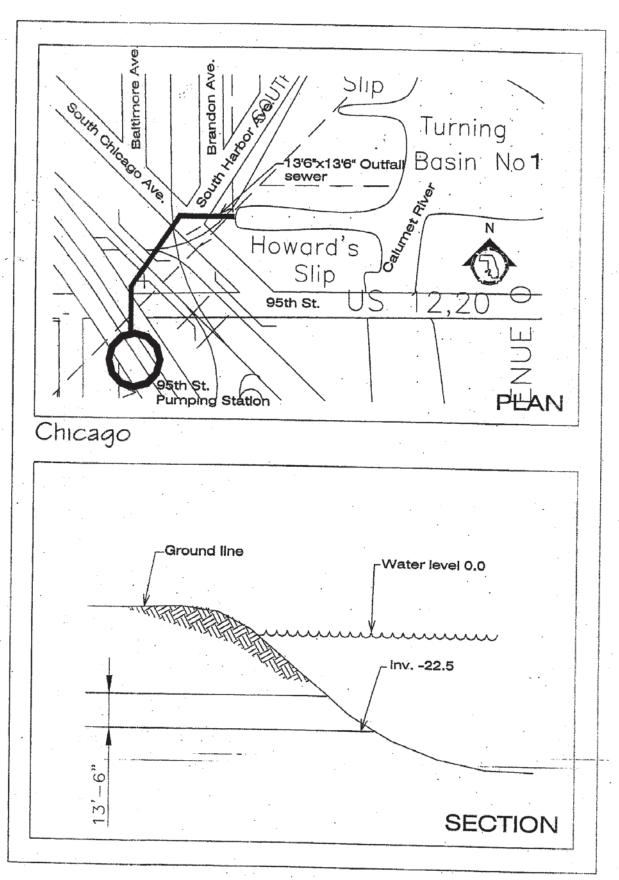
Thank you for your assistance in this matter.

Very truly yours,

Signature on file

Richard Lanyon Director Research and Development

RL:js Enclosures



A1-3

| Name of Responding Organization | 1: | |
|--|---|--|
| Name of Person Responding: | | |
| Address: | | |
| | | |
| | | |
| Telephone Number: | | |
| Signature of respondent: | | |
| | NPDES Permit Number IL002 Discharge Number 151 | 28061 |
| We have examined our records and within one or more of the following | | charge does/ does not fall |
| (Circle all categories that | apply) | |
| 1. Designated Outstanding | g National Resource Waters | |
| 2. National Marine Sancto | uaries | |
| 3. Waters with threatened | or endangered species and their | habitat |
| 4. Shellfish beds | | |
| 5. Waters with primary co | ontact recreation | |
| 6. Public drinking water in | ntakes or their designated protect | tion areas |
| Our determination is based on the | enclosed documentation: | |
| (Supply supporting documentation provided below or on additional p | | ce the source in the space |
| | | |
| | | |
| | | |
| | | And the second |
| The second secon | | (|

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

SENSITIVE AREA INQUIRY MATRIX BY DISCHARGE NUMBER INQUIRY LIST

| Acronym | Name of Organization and Addressee |
|---------------|--|
| USEPA | U.S. Environmental Protection Agency Region V (Traub) |
| USF&WS | U.S. Fish and Wildflife 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 | Permi | t IL 0 | 02806 | 1 Dis | charg | e Nos. | Permi | t IL 0 | 0280 | 88 Dis | charg | e Nos. | Per | mit II | 002 | 8053] | Disch | arge l | Vos. |
| | 151 | 152 | 165 | 166 | 167 | 168 | 101 | 102 | 103 | 104 | 109 | 110 | 131 | 132 | 133 | 134 | 135 | 136 | 150 |
| USEPA | х | \mathbf{x} | X | X | X | X | Х | X | X | X | X | X | X | Х | 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 CCFPD | X | X | X | X | X | X | X | X | X | X | X X | X | X X | X X | X X | X X | X X | X X | X |
| CDOE | X | X | | | | | | | | | 71 | | ** | X | X | | | | |
| CDOW | X | | | | | | | | | | | | | | | | | | |
| CPD Blue Island | X | | X | X | X | X | | | | | | | | | | | | | |
| | | | | | | | v | | | | | | | | | | | | |
| Wilmette Evanston | | | | | | | X X | X | X | X | | | | | | | | | |
| Skokie | | | | | | | 7. | Λ | X | X | | X | | | | | | | |
| Des Plaines | | | | | | | | | | | X | | | | X | | | | |
| Park Ridge Westchester | | | | | | | | | | | | | X | | X | | | | x |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO SENSITIVE AREA INQUIRY MATRIX BY DISCHARGE NUMBER (Continued)

| Respondent | Permit | t IL, 00 | 02806 165 | 1 Disc 166 | charge 167 | e Nos. 168 | Perm 101 | it IL (| 002808 103 | 88 Dis 104 | charge 109 | Nos. | <u>Per</u> 131 | mit II 132 | 133 | 8053 J 134 | Disch 135 | arge N | los. 150 |
|---|--------|----------|--------------|---------------|---------------|---------------|-------------|---------|---------------|---------------|---------------|------|-------------------|---------------|-----|---------------|--------------|--------|-------------|
| Elmwood Park River Forest Maywood | | | | | | | | | | | | | | | | X | X X | х | |
| Broadview Rosemont Schiller Park | | | | | | | | | | | | | | X | X | | | | X |
| Forest Park | | | | | | | | | | | | | | | | | | X | |

Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312-751-5600

BOARD OF COMMISSIONERS
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Barbera J. McGowan
Martin A. Sandoval
Cynthia M. Santos
Patricia Young
Harry "Bus" Yourell

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.

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

| Date | Respondent | Yes | No |
|---------|------------|-----|----|
| 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 | E- | X |
| 4/22/02 | CDOW | X | |
| 4/25/02 | CPD | X | |

| <u>Date</u> | Respondent | Yes | No |
|-------------------|------------|-----|----|
| 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

| Date | Respondent | Yes | <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

| Date | Respondent | Yes | <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 | |

| <u>Date</u> | Respondent | Yes | <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

| Date | Respondent | Yes | No |
|---------|------------|-----|----|
| 5/28/02 | USEPA | X | |
| 6/10/02 | USF&WS | X | |
| | IDNR, DOF | | X |
| N | 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> | Respondent | Yes | No |
|-------------|------------|-----|----|
| 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 | |

| <u>Date</u> | Respondent | Yes | No |
|-------------|------------|-----|----|
| 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

| Date | Respondent | Yes | No |
|---------|------------|-----|----|
| 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

| Date | Respondent | Yes | No |
|----------|-------------|-----|----------------|
| 5/28/02 | USEPA | X | |
| 7/09/02 | USF&WS | X | : , |
| | IDNR, DOF | | X |
| | IDNR, NHS | | ² X |
| 10/21/02 | IDNR, RRC | X | |
| 6/10/02 | IDPH, DOEH | X | |
| NA | IEPA, BOW | X | |
| | CCFPD | | X |
| NA . | Des Plaines | X | |

| Date | Respondent | Yes | No |
|----------|------------|-----|-----|
| 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 | | ıX. |

Permit IL 0028053 Discharge No. 131

| Date | Respondent | Yes | No |
|----------|------------|-----|----|
| 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 | 1 |

Discharge No. 132

| <u>Date</u> | Respondent | Yes | No |
|-------------|------------|-----|----|
| 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 |
| 1 | CDOE | | X |
| 6/22/02 | Rosemont | X | |

| <u>Date</u> | Respondent | Yes | No |
|-------------|-------------|-----|----|
| 5/28/02 | USEPA | X | |
| | USF&WS | | X |
| | IDNR, DOF | | X |
| | IDNR, NHS | | X |
| 10/22/02 | IDNR, RRC | X | |
| 20.500.00 | 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

| Date | Respondent | Yes | <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

| Date | Respondent | Yes | No |
|----------|--------------|-----|----|
| 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 |

| <u>Date</u> | Respondent | Yes | No |
|-------------|-------------|-----|----|
| 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 | |

| <u>Date</u> | Respondent | <u>Yes</u> | No |
|-------------|-------------|------------|----|
| 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:

- 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. <u>National Marine Sanctuaries</u>: We believe that these are established and managed by th 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.
- 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. <u>Shellfish beds</u>: 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.
- 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,

Signature on file

Jo Lynn Traub, Director Water Division

OF GRIR. CHGO.

2002 JUN -3 AM N= 58

DIR. OF R & D

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:
 - 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:
 - 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, logiams 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 forrested, 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 logiams 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.

| Date | 1091 | UZ | | | rime | | 12:00 |
|--|----------|----------------------------------|----------------|----------------|-------------------------|--------------------------------------|-------------------------|
| Assessment Obser | ver | Wasik | | | | | |
| Waterbody . C | Calume | t River | | | | | |
| CSO Number | 151 | | Distance Below | w CSO (ft | 50 | 200 | (circle one) |
| Assessment Locati | on Fac | cing Upstrea | am LE | FT) CI | ENTER | RIGHT | (circle one) |
| Channel Habitat | < | POOL | RUN | | RIFFLE | × | (circle one) |
| Water Depth (ft) | | 21 | | Channe | el Width (ft |) | 306 |
| Water Level | < | LOW | NORMAL | HIGH | FLO | ODED | (circle one) |
| Man-made Structur | es | DAM | RIPRAP | В | RIDGE | LEVEE | ISLAND |
| | . (| SHEET P | LINGS | OTHE | | * | (circle one) |
| Channelization | < | YES | NO | (0 | (S) | peciry) | 9 |
| Bank Erosion | SL | GHT | MODERA | TE | SEVERE | 122 | (circle one) |
| Logjam or Debris | Build- | up | YES | | NO |) (circle | one) |
| Physical Obstacle F (If YES, describe of | | | | heet piling cl | NO nannel wall | (circle | one) |
| Aquatic Vegetation | | YES ¬ | NO | FLOAT | TING | ATTA | CHED (circle one) |
| Sanitary Waste Odd | or in W | /ater Y | ES C | NO |) (circ | de one) | |
| Sanitary Debris on I | Banks | Y | ES C | NO |) (circ | de one) | |
| Sediment Composti (Visual Observation) | | Cobble (16 Boulder (>: | 0) | diameter) | 80 10 10 | % - % - % - % - % - % | |
| Sediment Color | -1000 | Grey | | Sedim | ent Odor | - | None |
| Oil in Sediment | (NC | ONE | LIGHT | MODERA | ATE | HEAVY | (circle one) |
| Depth of Fines (In fe | et using | 1 inch diamet | er probe) | Canr | ot reach b | ottom with | probe |
| Riparian Land Use (Visual Observation) URBAN COM | | GRASS AN RESIDE CIAL/INDUS | NTIAL | % %) % | WETLA FORES ROW C | Т | % % |
| OTHER (Sp | ecify) | TWO IS. | | % | | 62 | 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 87 | 7d 32m 36.6s | | | |
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| Date 05 | 6/09/02 | | | | Time | | 12:15 | |
|-------------------------------------|----------------------------------|---------------------------------------|---------------------------|----------------|------------------|----------------------------|----------------|--------------|
| Assessment Obse | rver <u>W</u> | /asik | | | | | | |
| Waterbody 0 | Calumet Ri | iver | | | | | | |
| CSO Number _ | 151 | Di | stance Below | CSO (ft) | 50 | 200 | (circle o | ne) |
| Assessment Locat | ion Facing | Upstream | n LEF | T CE | NTER | RIGHT | (circle or | ne) |
| Channel Habitat | . P | 00L) | RUN | | RIFFLE | | (circle o | ne) |
| Water Depth (ft) | | 31 | | Channel | Width (ft) | | 306 | |
| Water Level | LO | OW) | NORMAL | HIGH | FLOC | DDED | (circle o | ne) |
| Man-made Structu | res D | AM | RIPRAP | BR | IDGE | LEVEE | 15 | SLAND |
| | SI | HEET PIL | INGS | OTHER | | ecay) | (circle o | ne) |
| Channelization | Y | ES | NO | (circ | cle one) | | | |
| Bank Erosion | SLIGH | IT | MODERAT | E | SEVERE | | (circle o | ne) |
| Logjam or Debris | Build-up | | YES | | NO | (circle | one) | |
| Physical Obstacle (If YES, describe | an annowable and a | | YES trial sites and sh | eet piling cha | NO annel wall | (circle | ons) | |
| Aquatic Vegetation | | ES ¬ | NO egetation | FLOAT | ING | ATTA | CHED | (circle one) |
| Sanitary Waste Od | tor in Wate | er YE | es C | NO | (circl | e one) | | |
| Sanitary Debris on | Banks | YE | ES | NO | (circle | e one) | | |
| Sediment Compos (Visual Observation | OI Si Si Gi Ci Bi | obble (16n oulder (>2 edrock or | | diameter) | 100 | % % % % % % | | 75 |
| Sediment Color _ | | Grey | | Sedime | ent Odor | | None | |
| Oil in Sediment | NON | | JGHT | MODERA | TE | HEAVY | (circle o | ne) |
| Depth of Fines (In f | eet using 1 in | nch diamete | er probe) | Cann | ot reach b | ottom with | probe | 40 |
| Riparian Land Use | | GRASS | | % | WETLA | mana a l | | 6 |
| (Visual Observation) | | RESIDE | | % | FORES' | 10 | | 6 |
| URBAN COM | * | LINDUS | 100 | % | KOW C | NUPS | Remarks on rev | 6 . |

| dditional Remarks Measurements taken in main channel of Calumet River at 50 feet ar | | | | | |
|--|--|--|--|--|--|
| 200 feet downstream of Howard Slip. Coordinates-N 41d 43m 23.9s , W 87d 32m 36.6s | | | | | |
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| Date | 05/09/0 |)2 | | | Time | | 12:20 | |
|--|------------|---------------------------|--------------|-----------------|----------------------------|-----------------------|------------------------|----------|
| Assessment Obs | erver | Wasik | | | | | | |
| Waterbody | Calume | River | | | | | | |
| CSO Number | 151 | | istance Belo | w CSO (ft) | 50 | 200 | (circle one) | |
| Assessment Loca | ation Fac | ing Upstrea | am LE | FT CE | NTER < | RIGHT | (circle one) | |
| Channel Habitat | | POOL | RUN | | RIFFLE | | (circle one) | |
| Water Depth (ft) | | 18 | | Channel | Width (ft) | 15 | 306 | 20 - 286 |
| Water Level | | LOW | NORMAL | HIGH | FLOC | DED | (circle one) | |
| Man-made Struct | tures | DAM | RIPRAP | BR | IDGE | LEVEE | ISLAM | 1D |
| | • (| SHEET PI | LINGS | OTHER | (5)00 | (SIN) | (circle one) | |
| Channelization | | YES | NO | . (cin | cle one) | nuty | | |
| Bank Erosion | SLI | GHT | MODERA | TE | SEVERE | | (circle one) | |
| Logjam or Debri | s Build-u | dī. | YES | . < | NO | (circle | one) | |
| Physical Obstacle (If YES, describ | | | | heet piling cha | NO annel wall | (circle | one) | |
| Aquatic Vegetation | on | YES ¬ | vegetation | FLOAT | ING | ATTAC | CHED (circle (| one) |
| Sanitary Waste O | dor in W | ater Y | ES (| NO | (circle | one) | 5 3 | |
| Sanitary Debris o | n Banks | ıΥ | ES C | NO | (circle | one) | | |
| Sediment Compo (Visual Observati | | Cobble (16 Boulder (>: | ;) | diameter) | 20 60 5 15 | % % % % % | ě | |
| Sediment Color | | Brown | | Sedime | ent Odor | | None | |
| Oil in Sediment | NC | NE | LIGHT | MODERA | TE | HEAVY | (circle one) | |
| Depth of Fines (In | feet using | 1 inch diamet | er probe) | - | 0 | .5 | | |
| Riparian Land Us (Visual Observation) | URBA | GRASS IN RESIDE | NTIAL | % % 0 % | WETLAN FOREST ROW CH | r : | % % | |
| OTHER | | | 100 | - % | | | Remarks on reverse sid | 9 |
| | | | | | - 0.1. mm (| 1000 | | |

| Additional Remarks Measurements taken in main channel of Calumet River at 50 feet an | | | | |
|--|---|--|--|--|
| 200 feet downstream of I | Howard Slip. CoordinatesN 41d 43m 23.9s , W 87d 32m 36.6s | | | |
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| Date 05 | / 09 / 02 | * | | Time | | 12:30 | |
|---|--|--------------------|-----------------|------------------|----------------------------|-----------------|--------------|
| Assessment Obser | ver Wasik | | | | | | |
| Waterbody C | alumet River | T S | | | | | |
| CSO Number _ | 151 | Distance Below | v CSO (ft) | 50 | 200 | (circle or | ne) |
| Assessment Locati | on Facing Upstr | eam LEI | CEI | NTER | RIGHT | (circle or | 10) |
| Channel Habitat | POOL | > RUN | | RIFFLE | | (circle or | 16) |
| Water Depth (ft) | 17 | | Channel | Width (ft) | | 306 | (|
| Water Level | LOW | NORMAL | HIGH | FLO | DDED | (circle or | 18) |
| Man-made Structur | res DAM | RIPRAP | BRI | DGE | LEVEE | IS | SLAND |
| | SHEET | PILINGS | OTHER | | scay) | , (circle or | ne) |
| Channelization | YES | О | (circ | de one) | | 40 | |
| Bank Erosion | SLIGHT | MODERAT | ΓE | SEVERE | | (circle or | 10) |
| Logjam or Debris | Build-up | YES | | NO | (circle | one) | |
| Physical Obstacle I | Preventing Acceptable (Preventing Acceptable) Fenced incomes (Preventing Acceptable) | | neet piling cha | NO innel wall | (circle | oùe) | |
| Aquatic Vegetation | YES = | NO s vegetation | FLOATI | NG | ATTAC | CHED | (circle one) |
| Sanitary Waste Ode | or in Water | YES < | NO | (circle | e one) | | |
| Sanitary Debris on | Banks | YES < | NO | (circle | e one) | | |
| Sediment Compost (Visual Observation) | Clay Silt (Orga Sand (<z Gravel (Cobble (Boulder</z | | diameter) | 5 85 5 | % % % % % % | | |
| Sediment Color _ | Brown | | Sedime | nt Odor | | Oily | |
| Oil in Sediment | NONE C | LIGHT | MODERA | TE | HEAVY | (circle o | ne) |
| Depth of Fines (In fe | et using 1 inch dian | neter probe) | | 0 | .6 | | |
| Riparian Land Use (Visual Observation) | URBAN RESID | | _% _% | WETLAI FORES | T : | 9 | 6 |
| | IMERCIAL/INDU | JSTRIAL 100 | _ | ROW C | | ° | |
| OTHER (S) | pecity) | | % | | | Remarks on reve | rse side |

| Additional Remarks | Measurements taken in main channel of Calumet River at 50 feet and | | | | | | |
|---------------------------|--|--|--|--|--|--|--|
| 200 feet downstream of He | oward Slip. Coordinates-N 41d 43m 23.9s , W 87d 32m | 36.6s | | | | | |
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| Date 05 / 09 / 02 | | | | Time | | 12:35 | |
|--|-----------------|---|----------------|---------------------|-----------------------|--------------|--------------|
| Assessment Observer | Wasik | | | * | | | * |
| Waterbody Calume | t River | | | | | | |
| CSO Number 151 | _ · Di | stance Below | CSO (ft) | 50 | 200 |) (circ | le one) |
| Assessment Location Fac | ing Upstrear | n LEF | T CE | NTER | RIGHT | (circ | le one) |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circ | le one) |
| Water Depth (ft) | 30 | | Channel | Width (ft) | | 306 | - |
| Water Level | LOW | NORMAL | HIGH | FLO | DDED | (circi | le one) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | | ISLAND |
| | SHEET PIL | INGS | OTHER | | CIV) | (circi | e one) |
| Channelization | YES | NO | (circ | cle one) | ocity) | | |
| Bank Erosion SLI | GHT | MODERATI | E | SEVERE | | (circi | e one) |
| Logjam or Debris Build- | up | YES | | NO | (circle | one) | |
| Physical Obstacle Preven (If YES, describe obstacle | | YES rial sites and she | eet piling cha | NO annel walls o | (circle | | |
| Aquatic Vegetation | YES = | NO | FLOAT | ING | ATTA | CHED | (circle one) |
| Sanitary Waste Odor in W | ater YE | s < | NO | (circle | one) | | |
| Sanitary Debris on Banks | YE | S | NO | (circle | one) | | |
| Sediment Compostion (Visual Observation) | Cobble (16m | diameter) n to <16mm diam nm to <256mm di 56mm diameter) | | 100 | % % % % % | | ac e |
| Sediment Color | Grey | | Sedime | nt Odor | | None | |
| Oil in Sediment NO | DNE L | IGHT I | MODERA | TE . | HEAVY | (circl | e one) |
| Depth of Fines (In feet using | 1 inch diameter | r probe) | Canno | ot reach be | ottom with | probe | - |
| Riparian Land Use | GRASSL | AND | _% | WETLAN | ND | 11.000 | % |
| | AN RESIDEN | | _% | FORES | parameter i 🖟 | | % |
| URBAN COMMERC | IAL/INDUST | RIAL | _% | ROW C | ROPS | | -% |
| OTHER (Specify) | | | % | | | Remarks on r | everse side |

| Additional Remarks | Measurements taken in main channel of Calumet River at 50 feet and | | | | | | |
|--|--|----------------|-----------|-------------|----------|--------------|---|
| 200 feet downstream o | of Howard Slip. C | oordinates- | N 41d 43m | 1 25.5s , \ | N 87d 32 | 2m 36.6s | |
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| Date 05 / | 09 / 02 | | | Time | | 12:40 | _ |
|--|---|------------------|-------------------------------|---------------------|-------------------------------|------------------------|----|
| Assessment Observ | er <u>Wasik</u> | | | | | | _ |
| Waterbody Ca | lumet River | | | | | | _ |
| CSO Number | 151 | Distance Belo | w CSO (ft) | 50 | 200 | (circle one) | |
| Assessment Location | n Facing Upstre | eam LE | FT CE | NTER < | RIGHT | (circle one) | |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle one) | |
| Water Depth (ft) | 18 | | Channel | Width (ft) | | 306 | _ |
| Water Level | LOW | NORMAL | HIGH | FLO | DDED | (circle one) | |
| Man-made Structure | s DAM | RIPRAP | BR | IDGE | LEVEE | ISLAND |) |
| | SHEET | PILINGS | OTHER | | acity) | (circle one) | |
| Channelization | YES | O NO | (chr | de one) | | | |
| Bank Erosion (| SLIGHT | MODERA | TE | SEVERE | | (circle one) | |
| Logjam or Debris E | Build-up | YES | $_{\scriptscriptstyle \perp}$ | NO | (circle o | ne) | |
| Physical Obstacle Pi (If YES, describe of | _ | | heet piling cha | NO annel wall | (circle o | ne) | _ |
| Aquatic Vegetation | YES = | NO NO vegetation | FLOAT | ING | ATTAC | HED (circle one | e) |
| Sanitary Waste Odo | r in Water | YES (| NO |) (circle | e one) | • | |
| Sanitary Debris on B | anks | YES (| NO |) (circle | e one) | | |
| Sediment Compostic (Visual Observation) | Clay Silt (Organ Sand (<2) Gravel (2) Cobble (Boulder (| | diameter) | 10 75 5 10 | % - % - % - % - % | | |
| Sediment Color | Brown | | Sedime | ent Odor | | None | _ |
| Oil in Sediment | NONE | LIGHT | MODERA | TE | HEAVY | (circle one) | |
| Depth of Fines (In fee | t using 1 inch diam | eter probe) | | 0 |).4 | | |
| Riparian Land Use (Visual Observation) | GRAS URBAN RESID | SSLAND | % % | WETLA FORES | | % % | |
| URBAN COM | MERCIAL/INDU | ISTRIAL 10 | 0% | ROW C | ROPS _ | % | |
| OTHER (Spe | ecify) | | % | | R | emarks on reverse side | |

| Additional Remarks | Measurements taken in main channel of Calumet River at 50 feet and | | | | |
|-----------------------|--|--|--|--|--|
| 200 feet downstream o | f Howard Slip. CoordinatesN 41d 43m 25.5s , W 87d 32m 36.6s | | | | |
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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 <u>could</u> 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





| Name of Responding Organization | City of Chicago, Department of Water |
|--|---|
| Name of Person Responding: | John F. Spatz Jr., Interim Deputy Commissioner |
| Address: | |
| | 1000 East Ohio Street |
| | Chicago, Illinois 60611 |
| Telephone Number: | (312) 744-3703 |
| Signature of respondent: | Signature on file |
| • | NPDES Permit Number IL0028061 Discharge Number 151 |
| We have examined our records and within one or more of the following | d determined that the subject discharge does x / does not fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| 1. Designated Outstanding | g National Resource Waters |
| 2. National Marine Sancto | naries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ontact recreation |
| 6 Public drinking water i | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
| See Attached Sheet | |
| | |
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JWPP CONTROL CENTER

JARDINE WATER PURIFICATION PLANT

LAKE DISCHARGE LOG SHEET

DATE: 13th oct 01

| MWRD CALLER'S NAME | TIME OF CALL | LOCATION | DISCHARG | E TIME (HRS.) | FEIII NAME | REMARKS | |
|-----------------------|-----------------|--------------------|-------------|---------------|------------|---------|--|
| | | | OPEN CLOSED | | Se Se | | |
| S. Schmack | 1800 | 95th to Howardseys | 1755 | | SZA. | | |
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| AGENCY TO BE CALLED | CONTACT PERSON | TELEPHONE NUMBER | WHEN TO | 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 | 1812 | 57A | 0100 | AT |
| SOUTH WATER PURIFICATION PLANT | CONTROL ROOM ENGINEER | 747-7150 | IMMEDIATELY | 1814 | 52A | 0100 | 1.3. |
| CHICAGO PARK DISTRICT | COLLEEN ROCK LAKEFRONT DIRECTOR | W: 742-4822 H: 312-656-5431 | IMMEDIATELY | 1815 | SZA | 10-14-01 | 15 |
| WATER QUALITY SURVEILLANCE SECTION | FRED SCHULTZ | W: 744-8190 H: 773-631-1935 | IMMEDIATELY | 18/16 | 52A | 10-14-01 | AT |
| BRIDGE OPERATIONS | 24 HOUR EMERGENCY TELEPHONE NUMBERS | 744-4200 744-4201 | IMMEDIATELY | 1817 | SZA. | 10-14-01 | 1.3 |
| DEPARTMENT OF HEALTH | BUREAU CHIEF DR. WILHELM | Chief: 747-9870 Asst: 747-9872 | NEXT WORKING DAY AFTER OCCURENCE | 0900 | cw | 10/15/01 | CW |
| ENVIRONMENTAL MANAGEMENT UNIT DEPT. OF ENVIRONMENT | DIRECTOR PAMELA THOMAS (DEPUTY COMM.) | 744-4018 744-9377 | NEXT WORKING DAY AFTER OCCURENCE | 0905 | ar | 905 | w |
| COMMISSIONER OF WATER | RICHARD RICE | 744-7001 | NEXT WORKING DAY AFTER OCCURENCE | 10/17/01 | w | 10/15/01 | W |
| DEPUTY COMMISSIONER OF WATER QUALITY | ELLEN FLANAGAN | 744-7732 | NEXT WORKING DAY AFTER OCCURENCE | 10/15/01 | W | 10/12/01 | Cev |



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 Mona Castillo William C. Bartholomay Dr. Margaret T. Burroughs Anita M. Cummings Bob Pickens Gerald M. Sullivan

General Superintendent David J. Doig

City of Chicago 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.

Signature on file

Bruce J. Bertalmio
Director of Facility Management

Cc:

- J. Anderson
- L. Foxgrover
- L. Garcia
- K. Ridley
- L. Tomas
- V. Vadali



| Name of Responding Organization:_ | CHICAGO PARK DISTRICT |
|---|--|
| Name of Person Responding: | DAVID DOIG, GENERAL SUPERINTENDENT |
| Address: | 541 NORTH FAIRBANKS COURT |
| | CHICAGO, IL 60611 |
| a * _ | |
| Telephone Number: | (312) 742-4200 |
| Signature of respondent: | |
| | |
| | PDES Permit Number IL0028061 ischarge Number 151 |
| We have examined our records and of within one or more of the following | letermined that the subject discharge does/ dees_not fall categories of sensitive areas: |
| (Circle all categories that ap | ply) |
| 1. Designated Outstanding 1 | National Resource Waters |
| 2. National Marine Sanctua | ries |
| 3. Waters with threatened or | r endangered species and their habitat |
| 4. Shellfish beds | |
| 5.) Waters with primary con | tact recreation |
| 6. Public drinking water int | akes or their designated protection areas |
| Our determination is based on the er | nclosed documentation: |
| (Supply supporting documentation provided below or on additional page | for each category and reference the source in the space ges) |
| THE DISCHARGE MAY A | FFECT THE QUALITY OF LAKE MICHIGAN WATERS - |
| AT THE ADJACENT BEA | CHES AT THE CALUMET PARK AND THE RAINBOW |
| BEACH PARK OF THE C | HICAGO PARK DISTRICT. DRAWING SHOWING |
| THE LOCATION OF THE | ADJACENT PARKS IS ATTACHED. |
| | |

| Name of Responding Organization: U.S. FISH ★ WILDLIFE SERVICE Name of Person Responding: EDWARD KARECK! Address: 1250 SOUTH GROVE SUITE 103 | | |
|--|--|--|
| Address: 1250 SOUTH GROVE SUITE 103 BARRINGTON IL GOOIO | Name of Responding Organization: | U.S. FISH & WILDLIFE SERVICE |
| BARRINGTON IL 60010 Telephone Number: 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 | Name of Person Responding: | EDWARD KARECKI |
| 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) NO FEDERAL THREATENED OR ENDANGERED SPECIES IN THE | Address: | 1250 SOUTH GROVE SUITE 103 |
| 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 | e e e | BARRINGTON IL 60010 |
| 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 | ja Li | |
| 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 | Telephone Number | 847-381-2253 EXT 217 |
| 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 | | |
| 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 | Signature of respondent: | Signature on me |
| 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 | | |
| 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 | | |
| 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 | (Circle all categories that a | pply) |
| (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 | 1. Designated Outstanding | National Resource Waters |
| 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 | 2. National Marine Sanctu | aries |
| 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 | 3.) Waters with threatened | or endangered species and their habitat |
| 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 | 4. Shellfish beds | |
| 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 | Waters with primary con | ntact recreation |
| (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 | 6. Public drinking water in | takes or their designated protection areas |
| Provided below or on additional pages) NO FEDERAL THREATENED OR ENDANGERED SPECIES IN THE | Our determination is based on the e | enclosed documentation: |
| | | |
| CALUMET RIVER IN THE VICINITY OF THIS DISCHARGE. | NO FEDERAL THREATER | NED OR ENDANGERED SPECIES IN THE |
| | CALUMET RIVER IN | THE VICINITY OF THIS DISCHARGE. |
| | the state of the s | |
| | 33 | |
| | | |

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
09H3 HH9 40

2002 MAY -8 AM 11: 23

DIR. OF R & D

cc: Joe O'Connor

hop://docstate.ii.us

George H. Ryan, Governor • Brent Manning, Detector

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: MWRDGC | Phone: 312-731-368 |
|--|---|
| Contact Person: Richard Lanyon | Fax: |
| Applicant Address: 100 East Enia Street | Email: |
| Chicago, IL 60611-3154 | |
| | |
| | |
| LOCATION OF PRO | POSED ACTION |
| A MAP SHOWING LOCATION OF PROP | |
| Project Name: NPDESHILGO28061 Dischange | 151 152 County Cools |
| Project Address Granifolds | 1 1 5 |
| Project Address (if available): | 4 102 |
| City,State,Zip: | |
| Township/Range/Section (e.g. T45N,R9E,S2): T37N 15E | Sac 2414 13610 18138 2001 |
| Brief Description of Proposed Action: Sansitive Ana | as 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 |
| | ontact funding agency or this Division for details. |
| | officer fullding agency of this Division for details. |
| | |
| Local/State Agency with Project Jurisdiction: IFPA/BOV | W/Pinmits |
| Contact: | Phone: |
| Address: 1021 N. Grand East | Fax: |
| | Email: |
| SpF18, IL 62702 | LI IMIL |
| | |
| | |
| FOR DEPARTM | ENT LISE ONLY |
| TORBETARTINE | ENT USE ONE |
| Ann and annual (Annual annual annual annual Annual Annual annual in the spinishing | falso sales 0 |
| Are endangered/threatened species or Natural Areas present in the vicinity of | |
| Could the proposed action adversely affect the endangered/threatened species | 70000 |
| Is consultation terminated? | [Test No] |
| Comments: Dischange # 152 is in the un Area which supports humanous sp impacts are unlikely if permit limits | icinity of the hake Calumet Natural |
| Area which supports humanous so | acins of statelisted binds. Advense |
| limpacts and untitaly if pannit limite | and bring met |
| Evaluated by: | |
| | Date 6-4-02 |
| Signature on file— | Date G |
| Division of Resource Review & Coordination (217)785-5500 | |
| DIVISION OF RESOURCE REVIEW & COORDINATION (217)783-3300 | |
| | |

| Name of Responding Organization | INAS |
|--|--|
| Name of Person Responding: | David L. Thomas |
| Address: | 607 E. Peabody Prive |
| | Champaign, IL 61821 |
| | |
| Telephone Number: | 217-333-6830 |
| Signature of respondent: | Signature on file |
| | NPDES Permit Number IL0028061 Discharge Number 151 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional per | for each category and reference the source in the space ages) |
| Ne love ro | information to my knowledge that |
| poul indicate | that this is a sensitive area |
| | |
| | |
| | |
| | |

AIV-22

| Name of Responding Organization: | Illinois EPA |
|---|---|
| Name of Person Responding: | Robert Moshev |
| Address: | 1021 North Grand Ave. East |
| | P.O. Box 19276 |
| | Springfield IC 62794-9276 |
| Telephone Number: | 217-782-3362 |
| Signature of respondent: | _Signature on file |
| • | NPDES Permit Number IL0028061 Discharge Number 151 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not / fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| | National Resource Waters |
| 2. National Marine Sanctu | or endangered species and their habitat |
| Waters with threatened Shellfish beds | of official species and alon motion |
| 5. Waters with primary co | ntact recreation |
| 6. Public drinking water is | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentatio provided below or on additional p | n for each category and reference the source in the space ages) |
| There are no designated Ou | testanding National Resource (oz DRW.) on National |
| | vits in Illinois. |
| There are no pul | The drinking water intaker in the chicago |
| | n Cake Michigan. |
| | |
| | AIV-23 |

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 manmade 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.

| Date 05 / 09 | / 02 | | | Time | 1 | 3:35 | |
|--|-------------------------|---|-----------------|---------------------|----------------------------|--------------|--------------|
| Assessment Observer | Wasik | | | | | | |
| Waterbody Calur | met River | | | - | | | |
| CSO Number 152 | 2 Di | stance Below | CSO (ft) | 50 | 200 | (circle | one) |
| Assessment Location F | acing Upstream | m LEF | T) CE | NTER | RIGHT | (circle | one) |
| Channel Habitat | POOL | RUN | • . | RIFFLE | ٠. | (circle | one) |
| Water Depth (ft) | 25 | · | Channel | Width (ft) | | 330 | ٠. |
| Water Level | LOW | NORMAL | HIGH | FLOO | DED | (circle | one) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | | ISLAND |
| | SHEET PIL | INGS | OTHER | (Spec | SIKA | (circle | one) |
| Channelization | YES | NO | (circ | de one) | | | |
| Bank Erosion S | SLIGHT | MODERAT | E | SEVERE | | (circle | one) |
| Logjam or Debris Buil | d -u p | YES | | NO | (circle on | e) · | |
| Physical Obstacle Prevo | | YES | eet pilling cha | NO nnel wall | (circle on | θ) | |
| Aquatic Vegetation | YES 一」 If YES, is ve | NO | > FLOATI | NG | ATTACH | IED | (circle one) |
| Sanitary Waste Odor in | Water YE | s < | NO | (circle | one) | | |
| Sanitary Debris on Bank | ks YE | s C | NO | (circle | one) | | |
| Sediment Compostion (Visual Observation) | Cobble (16m | diameter) n to <16mm diam nm to <256mm di 56mm diameter) | | 10 35 50 5 | % % % % % % | | |
| Sediment Color | Grey-Brown | | Sedime | nt Odor | F | ishy | |
| Oil in Sediment | NONE L | IGHT I | MODERA | re i | HEAVY | (circle | one) |
| Depth of Fines (In feet usi | ng 1 inch diameter | probe) | Canno | t reach bo | ttom with p | robe | |
| | GRASSL BAN RESIDEN | ITIAL | _% _% | WETLAN FOREST | | | % % |
| URBAN COMMER | (CIAL/INDUST | RIAL100 | _% | ROW CR | OPS | | % |
| OTHER (Specify) | | | _ % | | Ren | narks on rev | verse side |

| Additional Remarks | CSO outlet lo | cated in conc | rete structure or | south bank o | of Turning |
|--|-----------------|----------------|-------------------|--------------|--|
| Basin Number 3. Outlet p | ipe is submerge | ed. Coordinate | es-N 41d 40m 2 | 7.7s , W 87d | 33m 9.5s |
| | | | , | | |
| | | | | | - |
| 44 years with the state of the | | | | | |
| anna ana dhumanning an anna an anna ann ann ann ann ann a | | | | | The state of the s |
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| Name of the second seco | | | | | |

| Date 05 / 09 / | 02 | | | Time | | 13 : 50 | |
|---|---|---|-------------|----------------------|-----------------------|--------------------|--------------|
| Assessment Observer | Wasik | | | | | | |
| Waterbody Calum | et River | | | | | | |
| CSO Number 152 | _ Di | stance Below | CSO (ft) | 50 | 200 | (circ | de one) |
| Assessment Location Fa | cing Upstrear | m LEF | T CE | NTER | RIGHT | (circ | le one) |
| Channel Habitat C | POOL | RUN | | RIFFLE | | (circ | le one) |
| Water Depth (ft) | 28 | | Channel | Width (ft) | | 330 | |
| Water Level C | LOW | NORMAL | HIGH | FLO | DDED | (circ | le one) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | | ISLAND |
| | SHEET PIL | INGS | OTHER | | | (circ | ie one) |
| Channelization | YES | NO | (circ | ale one) | ocity) | | |
| Bank Erosion SL | JGHT | MODERATE | ž , | SEVERE | | (circ | le one) |
| Logjam or Debris Build | -up | YES | | NO | (circle | e one) | |
| Physical Obstacle Prevention (If YES, describe obstacle | | YES rial sites on both | sides, and | NO sheet piling o | | one) Is west ba | nk |
| Aquatic Vegetation | YES ¬ | NO |) FLOATI | NG | ATTA | CHED | (circle one) |
| Sanitary Waste Odor in V | Vater YE | \leq | NO | (circle | one) | | |
| Sanitary Debris on Banks | YE | S | NO | (circle | one) | | |
| Sediment Compostion (Visual Observation) | Cobble (16m Boulder (>25 Bedrock or (| diameter) to <16mm diame m to <256mm dia 6mm diameter) | | 100 | % % % % % | | |
| Sediment Color | Grey | | Sedimer | nt Odor | | None | |
| Oil in Sediment No | ONE LI | IGHT N | /IODERA | ΓE | HEAVY | (circl | e one) |
| Depth of Fines (In feet using | 1 inch diameter | probe) | Canno | t reach bo | ttom with | probe | |
| | GRASSL AN RESIDEN | TIAL | _% _% | WETLAN FOREST | | | % % |
| URBAN COMMERC | JAL/INDUSTI | RIAL | _% | ROW CR | OPS | | % |
| OTHER (Specify) | | | % | | | Remarks on re | averse side |

| Additional Remarks | CSO outlet loca | ated in concrete s | structure on s | outh bank o | f Turning |
|------------------------|-------------------|--------------------|----------------|--------------|-------------|
| Basin Number 3. Outlet | pipe is submerged | I. CoordinatesN | 41d 40m 27. | 7s , W 87d 3 | 33m 9.5s |
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| - CT | | | | 3 | |
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| Date 05 / 09 / 02 | Time14:00 |
|--|---|
| Assessment Observer Wasik | |
| Waterbody Calumet River | |
| CSO Number 152 Distance Below | / CSO (ft) 50 200 (circle one) |
| Assessment Location Facing Upstream LEF | T 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 PILINGS | OTHER (circle one) |
| Channelization YES NO | (circle one) |
| Bank Erosion SLIGHT MODERAT | E SEVERE (circle one) |
| Logjam or Debris Build-up YES | NO (circle one) |
| Physical Obstacle Preventing Access YES (If YES, describe obstacle) Fenced industrial sites and sh | NO (circle one) eet 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 Compostion (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 | iameter) % |
| Sediment Color No Sediment | Sediment Odor No Sediment |
| Oil in Sediment NONE LIGHT | MODERATE |
| Depth of Fines (In feet using 1 inch diameter probe) | IVIODERATE MEAVY (circle one) |
| and the control of th | |
| Riparian Land Use GRASSLAND URBAN RESIDENTIAL | % WETLAND% FOREST % |
| URBAN COMMERCIAL/INDUSTRIAL 100 | % ROW CROPS % |
| OTHER (Specify) | % Remarks on reverse side |

| Additional Remarks | CSO outlet located in concrete structure on south bank of Turning | | | | |
|--|--|--------------|---|---|---|
| Basin Number 3. Outle | er 3. Outlet pipe is submerged. Concrete debris covering shoreline and bottom. | | | | |
| Coordinates—N 41d 40 | m 27.7s , W | 87d 33m 9.5s | | | |
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| Sender Application and Application of Sender | | - | | : | |
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| Date 05 / 09 | 02 | | | Time | | 14:10 | |
|---|-----------------------|--|------------|------------------|----------------------------|--------------------------|------|
| Assessment Observer | Wasik | | | | | | |
| Waterbody Calum | et River | | (#) (#) | | | | |
| CSO Number 152 | Dis | stance Belov | v CSO (ft) | 50 | 200 | (circle one) | |
| Assessment Location Fa | icing Upstrear | n LEI | FT CEI | NTER | RIGHT. | (circle one) | |
| Channel Habitat C | POOL | RUN | | RIFFLE | | (circle one) | |
| Water Depth (ft) | . 27 | | Channel | Width (ft) | | 330 | |
| Water Level C | LOW | NORMAL | HIGH | FLO | DDED | (circle one) | |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | ISLA | ND |
| , | SHEET PIL | INGS | OTHER | | ocny) | (circle one) | |
| Channelization C | YES | NO | (circ | de one) | • | | |
| Bank Erosion Si | LIGHT | MODERAT | ΓE | SEVERE | ** | (circle one) | |
| Logjam or Debris Build | -up | YES | | NO | (circle o | ne) | |
| Physical Obstacle Preve (If YES, describe obstac | | YES rial sites and sh | | NO innel wall | (dirde o | ne) | |
| Aquatic Vegetation | YES = | NO | FLOATI | NG | ATTAC | HED (circle | one) |
| Sanitary Waste Odor in \ | Water YE | s (| NO | (circl | s one) | | |
| Sanitary Debris on Bank | s YE | s < | NO | (circle | one) | | |
| Sediment Compostion (Visual Observation) | Cobble (16m | diameter) n to <16mm diam nm to <256mm diameter) | diameter) | 95 | % % % % % % | | |
| Sediment Color | Brown | | Sedime | nt Odor | | Oily | |
| Oil in Sediment | IONE L | IGHT | MODERA | TE | HEAVY | (circle one) | |
| Depth of Fines (In feet usin | g 1 inch diameter | r probe) | | | ottom with | 2.500 Per Central (1.45) | |
| Riparian Land Use (Visual Observation) URE | GRASSL BAN RESIDEN | - | _% % | WETLAI FORES | _ | % % | * |
| URBAN COMMER | CIAL/INDUST | RIAL 100 | % | ROW C | ROPS _ | % | |
| OTHER (Specify) | | | % | | Ř | emarks on reverse si | de . |

| Additional Remarks | tional 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. CoordinatesN 41d 40m 25.1s , W 87d 33m 67s | | | |
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| Date | וופטוכו | J2 | | | ime | | 14.15 | · |
|--|------------|-----------------------|-----------------------------|-------------|--------------------|-------------------------|---------------|--------------|
| Assessment Obs | erver | Wasik | | | | | | |
| Waterbody | Calume | t River | | | | | | |
| CSO Number | 152 | _ [| istance Below | CSO (ft) | 50 | 200 |) (circle | one) |
| Assessment Loca | ation Fac | ing Upstrea | m LEF | T CE | NTER | RIGHT | (circle | one) |
| Channel Habitat | < | POOL | RUN | | RIFFLE | | (circle | one) |
| Water Depth (ft) | | 29 | | Channel | Width (ft) | | 330 | |
| Water Level | | LOW | NORMAL | HIGH | FLO | ODED | (circle | one) |
| Man-made Struct | ures | DAM | RIPRAP | BR | IDGE | LEVEE | | ISLAND |
| | | SHEET PI | LINGS | OTHER | | ecity) | (circle | one) |
| Channelization | < | YES | NO | (circ | de one) | out, j | | |
| Bank Erosion | SLI | GHT | MODERAT | E . | SEVERE | | (circle | one) |
| Logjam or Debri | s Build- | up | YES | | NO. | (circle | one) | |
| Physical Obstacle (If YES, describe | | - | YES strial sites on both | sides, and | NO sheet piling | (circle channel wall | | k |
| Aquatic Vegetatio | n | YES J | NO | > FLOATI | NG | ATTAC | CHED | (circle one) |
| Sanitary Waste O | dor in W | ater Y | ES C | NO | (circl | e one) | | |
| Sanitary Debris or | n Banks | Y | ES | NO | (circi | e one) | • . | |
| Sediment Compo | | Plant Debr | ris | | | % | | |
| (Visual Observation | an) | Clay Silt (Organic | | | 75 25 | · % | | |
| | | Sand (<2mi | | | | - % | | • |
| | | Gravel (2m | m to <16mm dian | • | | % | | |
| | | | mm to <256mm o | | | % | | |
| • | | Bedrock of | 256mm diameter) | | * | . % % | | |
| Cadiment Color | | Brown | Concrete | Codimo | nt Odor | - /0 | Alama | |
| Sediment Color | 110 | | | Sedime | | | None | |
| Oil in Sediment | | | | MODERA | | HEAVY | (circle | one) |
| Depth of Fines (In | feet using | 1 inch diamet | er probe) | Canno | ot reach b | ottom with | probe | |
| Riparian Land Us | | GRASS | | _% | WETLA | ND _ | | % |
| (Visual Observation) | | AN RESIDE | | % | FORES' | - | | % |
| URBAN CO | | IAL/INDUS | TRIAL | % | ROW C | ROPS _ | | % |
| OTHER | (Specify) | | | % | | ŧ | Remarks on re | verse 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 41 | d 40m 25.1s , W 87d 33m | 67s | | |
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| Date 05 / 09 / 02 | Time | 14:20 |
|---|--------------------|-------------------------|
| Assessment Observer Wasik | -13 | |
| Waterbody Calumet River | • | |
| CSO Number 152 Distance Be | elow CSO (ft) 50 2 | (circle one) |
| Assessment Location Facing Upstream | LEFT CENTER RIGH | (circle one) |
| Channel Habitat POOL RU | N RIFFLE | (circle one) |
| Water Depth (ft) 18 | Channel Width (ft) | 330 |
| Water Level LOW NORMA | L HIGH FLOODED | (circle one) |
| Man-made Structures DAM RIPRAF | BRIDGE LEVE | E ISLAND |
| SHEET PILINGS | OTHER (Specify) | (circle one) |
| Channelization YES NO | | |
| Bank Erosion SLIGHT MODER | RATE SEVERE | (círcie one) |
| Logjam or Debris Build-up YE | s NO | (circle one) |
| Physical Obstacle Preventing Access (If YES, describe obstacle) Fenced industrial sitesand | 33 | (circle one) |
| Aquatic Vegetation YES NO If YES, is vegetation | | TACHED (circle one) |
| Sanitary Waste Odor in Water YES | NO (circle one) | S |
| Sanitary Debris on Banks YES | NO (circle one) | e * |
| Sediment Compostion (Visual Observation) Plant Debris Clay Silt (Organic) Sand (<2mm diameter) | 100 % | Ve Ž |
| Gravel (2mm to <16mm o Cobble (16mm to <256m | | ** · |
| Boulder (>256mm diame | | * |
| Bedrock or Concrete | % | |
| Sediment Color Grey | Sediment Odor | None |
| Oil in Sediment NONE LIGHT | MODERATE HEAV | (circle one) |
| Depth of Fines (In feet using 1 inch diameter probe) | 0.5 | - |
| Riparian Land Use GRASSLAND | % WETLAND | % |
| (Visual Observation) URBAN RESIDENTIAL | % FOREST | % |
| | 00 % 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. CoordinatesN 41 | d 40m 25.1s , W 87d 33m | 1 67s | · | |
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| | ashire Area response Porm |
|---|---|
| Name of Responding Organization: | Illinois Natural History Survey |
| Name of Person Responding: | David L- Thomas, Chief |
| Address: | 607 E. Reabody Drive |
| | Champaign, IL 61820 |
| e en E E | |
| Telephone Number: | 217-333-6830 |
| Signature of respondent: | Signature on file |
| 4 | |
| | NPDES Permit Number IL0028061 Discharge Number 152 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not K fall categories of sensitive areas: |
| (Circle all categories that ap | oply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctua | ries |
| 3. Waters with threatened o | r endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | tact recreation |
| 6. Public drinking water int | akes or their designated protection areas |
| Our determination is based on the en | aclosed documentation: |
| (Supply supporting documentation provided below or on additional page | for each category and reference the source in the space |
| Aussel data inches | to only a few tolerant series in the Columet River |
| although some more sen | The fish species such as Salmon of smallmonth |
| loss but feer collected | in the river stay were the apparently as shows |
| from Cake Michigan and | not beaux this is critical bollet for Hom. |
| | |

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

Cook County, Illinois USA

T37N, R14E, sec. 25

26 May- 8 October 1998

| Cat. # | Species No. of Specimens | | |
|------------|--------------------------|----------|---|
| INHS 51177 | Alosa pseudoharengus | 1 I | |
| INHS 51178 | Carpiodes cyprinus | 1 | |
| INHS 51179 | Catostomus commersoni | 1 | |
| INHS 51182 | Morone americana | 1 I | |
| INHS 51180 | Morone chrysops | 1 | |
| INHS 51181 | Lepomis cyanellus | 1 | |
| INHS 51183 | Neogobius melanostomus | . 3· - I | I |

Calumet River (Lake Michigan Dr.)

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

Cook County, Illinois USA

T37N, R14E, sec. 25

31 October 1997

| Cat.# | Species | No. of Specimens |
|------------|-----------------------|------------------|
| INHS 44921 | Dorosoma cepedianum | 1 |
| INHS 44922 | Cyprinus carpio | 1 II |
| INHS 44923 | Lepomis gibbosus | 1 |
| INHS 44924 | Lepomis macrochirus | 1 |
| INHS 44925 | Micropterus salmoides | 1 |

Calumet River (Lake Michigan Dr.)

2 mi NNW Burnham

Cook County, Illinois USA

T37N, R14E, sec. 25

1 June 1977

| Cat.# | Species | No. of Specimens |
|-------------------|------------------|------------------|
| INHS 56999 | Perca flavescens | 2 |
| 10 September 1980 | | |

| Cat. # | Species No. of Specimens | |
|------------|--------------------------|--------|
| INHS 56994 | Cyprinus carpio | . 2 II |
| INHS 56995 | Notropis hudsonius | 2 |
| INHS 56996 | Lepomis gibbosus | 4 |
| INHS 56997 | Lepomis humilis | 2 |
| INHS 56998 | Pomoxis nigromaculatus | 1 |

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

31 October 1997

Cat. # Species No. of Specimens

INHS 44926 Pimephales notatus I

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

| Cat. # | Species | No. of Specimens | | |
|------------|-----------------------|------------------|---------|----|
| INHS 44927 | Catostomus commersoni | 1 | +: | |
| INHS 44928 | Ictiobus niger | 1 | \$ (20) | 79 |
| INHS 44929 | Pomoxis annularis | 1. | | |

Calumet River (Lake Michigan Dr.) m 330.2- 330.3 4.1 mi NNE Burnham

Cook County, Illinois USA

T37N, R15E, sec. 18

31 October 1997

| Cat.# | Species | No. of Specimens | |
|------------|--------------------------|------------------|-----|
| INHS 44930 | Oncorhynchus mykiss | 1 | I |
| INHS 44933 | Oncorhynchus tshawytscha | 1 | IFT |
| INHS 44931 | Micropterus dolomieu | . 1 | |
| INHS 44932 | Aplodinotus grunniens | 1 | |
| INHS 44934 | Neogobius melanostomus | . 1 | II |



MR. OF R&D

latural Resources 2002 MAY 30 PM 12: 25

524 South Second Street - Springfield, Illinois 82701-1787

OF GRIR. CHGO.

CONSULTATION AGENCY ACTION REPORT

Phone:

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

Date Submitted: 4-11-0 2
If this is a resubmittal, include previous IDNR response if available.

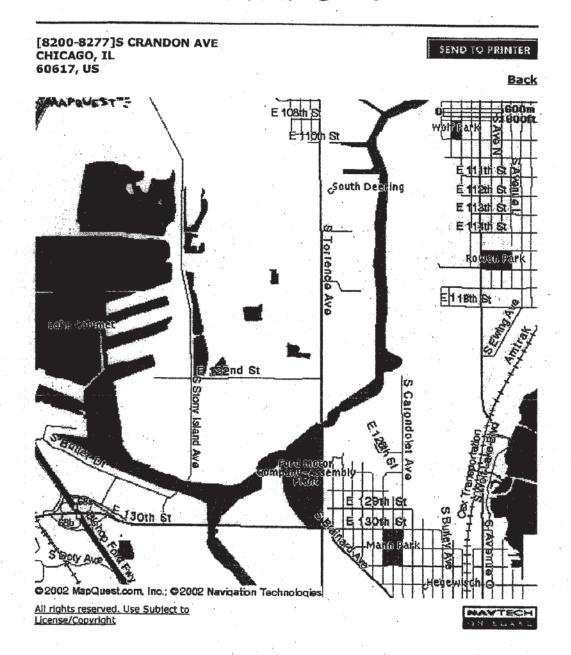
Applicant:

FOR DEPARTMENT USE ONLY
PROJCODE: 0 202593 DUE DATE: 5-11-02

312-751-5600

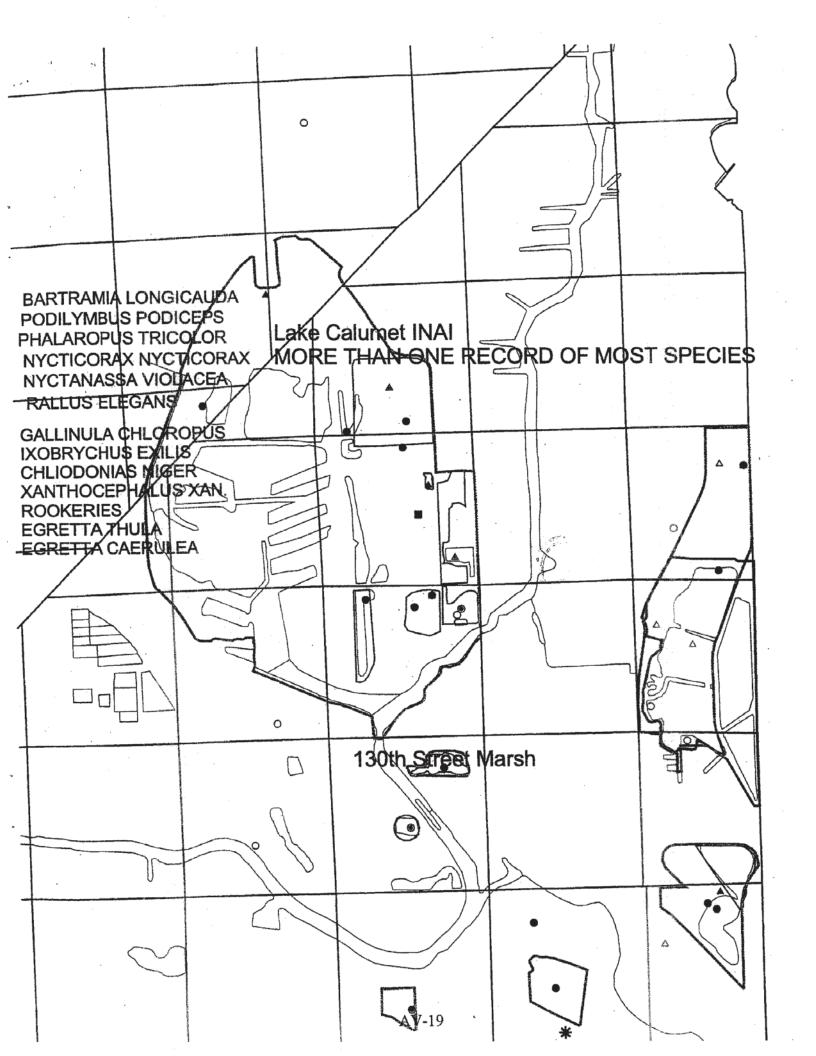
| Contact Person: Richard hanyon Fax: | | |
|--|--|--|
| Applicant Address 100 E. Enil Street Email: | | |
| Chicago, IL 60611-3154 | | |
| | | |
| | | |
| LOCATION OF PROPOSED ACTION | | |
| A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED | | |
| Project Name: NPDES &ILOO 28061 Dutfall 152 County: Cook | | |
| Project Address (if available): | | |
| Chi Chia Zin. | | |
| Township/Range/Section (e.g. T45N,R9E,S2): 37N /SE Sec 19 | | |
| Brief Description of Proposed Action: | | |
| Buel Description of Proposed Action. | | |
| | | |
| D. L. J. D. L. J. T. J. Date of Paragrad Actions | | |
| Projected Start Date and End Date of Proposed Action: | | |
| The second secon | | |
| 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/Perm. ts | | |
| | | |
| Contact: Unknown Phone: Address: 102 (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? | | |
| The offentigeton an enterested by the second of the second | | |
| Could all proposed actions and starts | | |
| Is consultation terminated? | | |
| Comments: Outfall 15 in the Vicinity of the Lane Calumet 2001 | | |
| Comments: Out Fall is in the vicinity of the Lake Calumet INAI which supports remember state listed species. Adverse impacts to those resources are unlikely as the Calumet River drains to Evaluated by; Leky Michigan | | |
| to those resources are unlikely as the Calumet Kiven drains To | | |
| Evaluated by: Lake Michigan | | |
| Signature on file- | | |
| Signature on file— | | |
| Division of Resource Review & Coordination (217)785-5500 | | |
| | | |

- MAPQUEST. =



This map is informational only. No representation is made or warranty given as to its content. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.

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http://dox.state.it.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: ________

| Applicant: MWRDGC | Phone: 312-751-5600 | |
|---|---|--|
| Contact Person: Richard Lanyon | Fax: | |
| Applicant Address: 100 East Enira Street | Email: | |
| " Chicago, IL 60611-3154 | | |
| | | |
| LOCATION OF PRO | | |
| | | |
| Project Name: NPDES ALL 6028061 Discharge 1 | | |
| Project Address (if available): | 1152 County: C3514 | |
| City, State, Zip: | T 10.5 | |
| Township/Range/Section (e.g. T45N,R9E,S2): T37N 15E | oc 5419 T360 R13F Soc 1 | |
| Brief Description of Proposed Action: Sansitive Ange | us evaluations | |
| | | |
| | | |
| Projected Start Date and End Date of Proposed Action: | | |
| | | |
| Will state funds or technical assistance support this action? [Yes No] If Y | es, the Interagency Wetland Policy Act may apply. | |
| Cor | tact funding agency or this Division for details. | |
| | | |
| Local/State Agency with Project Jurisdiction: IFPA/BOW | J/Pinnits | |
| Contact: | Phone: | |
| Address: 1021 N. Grand East | Fax: | |
| SPFIA. IL 62702 | Email: | |
| Spria. Thon/oz | | |
| | | |
| FOR DEPARTME | ATT TISE ONLY | |
| FOR DEFARING | TOSE OILL | |
| Are endangered/threatened species or Natural Areas present in the vicinity of | the action? [VS No] | |
| Could the proposed action adversely affect the endangered/threatened species or Natural Area? [Yes No. | | |
| Is consultation terminated? | | |
| Comments: Dischange # 152 is in the vicinity of the hake Calumat Natural | | |
| Area which supports numerous species of state listed binds. Adverse | | |
| impacts are unlitely if permit limits and being met | | |
| Evaluated by: | | |
| | Date 6-4-02 | |
| Signature on file— | | |
| Division of Resource Review & Coordination (217)785-5500 | | |

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
00H0 H189 40

2002 MAY -8 AN II: 23

0 8 A 70 Ald VAN-51

cc: Joe O'Connor



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)



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 GRIR. CHGO. 2002 MAY 14 PM 12: 11 DIR. OF R & D AV-22

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

| Name of Responding Organization | U.S. Fish + Wild life 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 |
| | |
| - | NPDES Permit Number IL0028061 Discharge Number 165 152 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not \sqrt{fall} g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3 Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the e | enclosed documentation: |
| (Supply supporting documentation provided below or on additional page 1971) | for each category and reference the source in the space ages) |
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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



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 OF GRTR. CHGO.

OFRED

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.

| Date | 05/02/02 | | | | rime | | 10:20 |
|---|---------------|--|--------------------|------------|----------------|-------------------------------|-------------------------|
| Assessment Obs | server | Sopcak | | | | | |
| Waterbody | Midlothi | an Creek | | | | | |
| CSO Number | 165 | _ [| Distance Belov | w CSO (ft) | 50 | 200 | (circle one) |
| Assessment Loc | ation Fac | ing Upstrea | am LE | FT) CE | NTER | RIGHT | (circle one) |
| Channel Habitat | ٠, | POOL | RUN | > | RIFFLE | | (circle one) |
| Water Depth (ft) | | 1.1 | | Channel | Width (ft) | - | 19 |
| Water Level | | LOW | NORMAL | HIGH |) .FLO | DDED | (circle one) |
| Man-made Struc | tures | DAM | RIPRAP | BR | NDGE | LEVEE . | ISLAND |
| | | SHEET P | ILINGS | OTHER | | еспу) | (circle one) |
| Channelization | | YES | NO | | rcle one) | July / | • • |
| Bank Erosion | SLI | GHT | MODERA | TE | SEVERE | | (circle one) |
| Logjam or Debi | ris Build-I | up | YES | < | NO | (circle | one) |
| Physical Obstact | | _ | s YES | 7 < | NO | (circle | e one) |
| Aquatic Vegetati | on | YES ¬ | NO vegetation | FLOAT | ING | ATTA | CHED (circle one) |
| Sanitary Waste | Odor in W | ater Y | res (| NO |) (circ | e one) | |
| Sanitary Debris | on Banks | , | res (| NO |) (circi | e one) | |
| Sediment Compo (Visual Observa | | Gravel (2n Cobble (10 Boulder (> | | diameter) | 55 20 5 | % - % - % - % - % | |
| Sediment Color | | Grey-Black | <u> </u> | Sedim | ent Odor | | Earthy |
| Oil in Sediment | N | ONE < | LIGHT | MODERA | ATE: | HEAVY | (circle one) |
| Depth of Fines (| In feet using | 1 inch diame | eter probe) | | . 0.3 | | |
| Riparian Land U (Visual Observation) | | GRAS AN RESIDI | SLAND 25 ENTIAL | % % | WETLA FORES | | % % |
| URBAN C | OMMERO | CIAL/INDU | STRIAL | % | ROW C | ROPS | % |
| OTHER | R (Specify) | | | % | | | Remarks on reverse side |

| Date 0 | 5/02/02 | | | Time | | 10:30 |
|--|--|---|------------------|---------------|---------------------------------|--|
| Assessment Obser | ver Sopcak | | | | | |
| Waterbody M | lidlothian Creek | | | | | and the second s |
| CSO Number | 165 | Distance Belov | w CSO (ft) | 50 | 200 | (circle one) |
| Assessment Locati | on Facing Upstr | eam LE | FT CE | NTER | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | \geq | RIFFLE | | (circle one) |
| Water Depth (ft) | 2 | | Channe | Width (ft) | | 19 |
| Water Level | LOW | NORMAL | HIGH |) FLO | DDED | (circle one) |
| Man-made Structur | es DAM | RIPRAP | BF | RIDGE | LEVEE | ISLAND |
| • | SHEET | PILINGS | OTHE | | ecity) | (circle one) |
| Channelization | YES | NO |) (ci | rde one) | | |
| Bank Erosion | SLIGHT | MODERA | TE | SEVERE | | (circle one) |
| Logjam or Debris | Build-up | YES | | NO | (circle o | ne) |
| Physical Obstacle I (If YES, describe | | ss YES | -1 < | NO | . (circle o | ne) |
| Aquatic Vegetation | | NO s vegetation | FLOAT | ING | ATTAC | HED (circle one) |
| Sanitary Waste Od | or in Water | YES (| NO | . (circl | e ona) | |
| Sanitary Debris on | Banks | YES C | NO |) (circ | le one) | |
| Sediment Composition (Visuel Observation | Clay Silt (Orga Sand (<) Gravel (Cobble Boulder Bedrock | | diameter) er) | 5 85 10 | % % % % % % % | |
| Sediment Color _ | Brown | | Sedim | ent Odor | | Earthy |
| Oil in Sediment | NONE (| LIGHT | MODERA | ATE | HEAVY | (circle one) |
| Depth of Fines (In f | eet using 1 inch dia | meter probe) | | 0.4 | | |
| Riparian Land Use | | SSLAND | % | WETLA | | % |
| (Visual Observation) | URBAN RESI | *************************************** | % | FORES | - | % |
| | MERCIAL/IND | US I KIAL | % | ROWC | | % |
| OTHER (S | pecify) | | % | | ÍΕ | lemarks on reverse side |

| Date 03/02/02 | ·, IIIIC | 10.40 |
|--|--|-----------------------|
| Assessment Observer | Sopcak | |
| Waterbody Midlothi | an Creek | |
| CSO Number 165 | Distance Below CSO (ft) 50 200 | (circle one) |
| Assessment Location Fac | ing 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 (Specify) | (circle one) |
| Channelization | YES NO (circle one) | . 9 |
| Bank Erosion SLI | GHT MODERATE SEVERE | (circle one) |
| Logjam or Debris Build- | up YES NO (circle on | e) |
| Physical Obstacle Preven (If YES, describe obstacle | | e) |
| Aquatic Vegetation | YES NO FLOATING ATTACH | HED (circle one) |
| Sanitary Waste Odor in W | /ater YES NO (circle one) | * |
| Sanitary Debris on Banks | YES NO (circle one) | 2 T 2 |
| Sediment Compostion (Visual Observation) | Plant Debris 5 % Clay % % Silt (Organic) 90 % Sand (<2mm diameter) | |
| Sediment Color | Grey-Black Sediment Odor Decompos | sing vegetation |
| Oil in Sediment NO | DNE LIGHT MODERATE HEAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diameter probe) 0.3 | |
| Riparian Land Use (Visual Observation) URB | GRASSLAND 25 % WETLAND AN RESIDENTIAL % FOREST | 75 % |
| URBAN COMMERC | CIAL/INDUSTRIAL % ROW CROPS | % |
| OTHER (Specify) | % Re | marks on reverse side |

| Date 05/02/ | UZ | | | HIHE | | 11.00 |
|---|---------------------|--------------------------------|------------|------------|----------|-------------------------|
| Assessment Observer | Sopcak | | | | | |
| Waterbody Midlot | hian Creek | | | | | HURDON WAS CORPUMNISHED |
| CSO Number 165 | | Distance Belov | w CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location F | acing Upstre | am LE | FT CE | NTER | RIGHT | (circle ona) |
| Channel Habitat | POOL | RUN | > | RIFFLE | | (circle one) |
| Water Depth (ft) | 1.1 | | Channel | Width (ft) | | 22 |
| Water Level | LOW | NORMAL | HIGH | FLOC | DDED | (circle one) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | ISLAND |
| | SHEET P | PILINGS | OTHER | | ecity) | (circle one) |
| Channelization | YES | NO | (cir | cle one) | | |
| Bank Erosion . S | LIGHT | MODERA | | SEVERE | | (circle ona) |
| Logjam or Debris Buil | d-up | YES | | NO. | (circle | one) |
| Physical Obstacle Prev (If YES, describe obsta | - | s YES | -J C | NO | (circle | one) |
| Aquatic Vegetation | YES = | NO vegetation | > FLOAT | ING | ATTAC | CHED (drote one) |
| Sanitary Waste Odor in | Water | YES (| NO |) (circi | la one) | |
| Sanitary Debris on Ban | ks | YES C | NO |) (circ | ie one) | |
| Sediment Compostion | Plant Del | bris | | | - % | |
| (Visual Observation) | Clay Silt (Organ | nic) | | 90 | - % | |
| : | | mm diameter) | | 10 | - % | • |
| | | mm to <16mm di | | | - % · | |
| | - | 16mm to <256mm | | | - % | |
| • • | | (>256mm diamete or Concrete | er) | | - % | |
| Sediment Color | Grey-Blac | k · | Sedim | ent Odor | - Hyd | rogen Sulfide |
| Oil in Sediment | NONE (| LIGHT | MODERA | ATE | HEAVY | (circle one) |
| Depth of Fines (In feet u | sing 1 inch diam | neter probe) | | 0.3 | | : |
| Riparian Land Use | GRAS | SSLAND 2 | 5 % | WETLA | ND | % |
| | RBAN RESID | DENTIAL | % | FORES | ST. | 5 % |
| URBAN COMME | RCIAL/INDU | JSTRIAL 7 | 0% | ROWC | ROPS | <u>%</u> |
| OTHER (Specify | ١. | | . % | | | Remarks on reverse side |

| Date05/02/ | 02 | Tin | ne | 11:10 |
|---|--|-------------|---------------------------|-------------------------|
| Assessment Observer | Sopcak | | | |
| Waterbody Midlot | hian Creek | | | |
| CSO Number 165 | Distance Belo | w CSO (ft) | 50 200 | (circle one) |
| Assessment Location Fa | acing Upstream LE | FT CENTE | RIGHT | (circle one) |
| Channel Habitat | POOL RUN | > RIF | FFLE | (circle one) |
| Water Depth (ft) | 1.3 | Channel Wid | th (ft) | 22 |
| Water Level | LOW NORMAL | HIGH | FLOODED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDG | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | (Specify) | (circle one) |
| Channelization | YES NO | (circle one | | |
| | LIGHT MODERA | | /ERE | (circle one) |
| Logjam or Debris Build | | | | one) |
| Physical Obstacle Preve (If YES, describe obstac | | ⇒ NO | (circle | one) |
| Aquatic Vegetation | YES NO NO If YES, is vegetation | FLOATING | ATTA | CHED (circle one) |
| Sanitary Waste Odor in | Water YES (| NO | (circle one) | |
| Sanitary Debris on Bank | s YES | NO | (circle one) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm diameter) Gravel (2mm to <16mm di Cobble (16mm to <256mm Boulder (>256mm diameter) Bedrock or Concrete | n diameter) | 20 % 70 % 10 % % | |
| Sediment Color | Grey-Brown | Sediment C | Odor | None |
| Oil in Sediment | NONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet us | ing 1 inch diameter probe) | | 0.1 | |
| Riparian Land Use | GRASSLAND | | ETLAND | % |
| | BAN RESIDENTIAL RCIAL/INDUSTRIAL | | OREST OW CROPS | % % |
| OTHER (Specify) | NOIND OO I NIAL | % . K | | Remarks on reverse side |
| T I I I'm I I (obacily) | | | | |

| Date | 3/02/02 | - · | | - | | | |
|--|--|--|--------------------|------------|----------------------------|------------|--------------|
| Assessment Observ | ver Sopca | k | | | | | |
| Waterbody M | idlothian Cree | ek . | | | | - | |
| CSO Number | 165 | Distance Belo | w CSO (ft) | 50 | 200 | (circle | one) |
| Assessment Location | on Facing Ups | stream LE | FT . CEN | NTER < | RIGHT | (circle | one) |
| Channel Habitat | POOL | RUN | \geq | RIFFLE | | (circle | one) |
| Water Depth (ft) | 1.3 | | Channel | Width (ft) | | 22 | |
| Water Level | LOW | NORMAL | HIGH | FLOO | DED | (circle | one) |
| Man-made Structur | es DAM | RIPRAP | BR | IDGE | LEVEE | 2 | ISLAND |
| | SHEE | T PILINGS | OTHER | (Spe | | (circle | one) |
| Channelization | YES | NO | | de one) | | 17 | |
| Bank Erosion | SLIGHT | MODERA | TE | SEVERE | | (circle | one) |
| Logjam or Debris | Build-up | YES | \supset | NO | (circle o | ne) | |
| Physical Obstacle I | COLOR STATE | cess YES | ⇒ < | NO | (circle o | ne) | |
| Aquatic Vegetation | | NO S, is vegetation | FLOAT | ING | ATTAC | HED | (circle one) |
| Sanitary Waste Od | or in Water | YES | NO | (circle | one) | | |
| Sanitary Debris on | Banks | YES | NO | (circk | one) | | \$1 \$1 |
| Sediment Composition (Visual Observation | Clay Silt (O Sand Grave Cobb Bould Bedro | Debris rganic) (<2mm diameter) el (2mm to <16mm diameter) le (16mm to <256mm diameter) er (>256mm diameter) ock or Concrete | n diameter) er) | 95 5 | % % % % % % | | ic.i. |
| Sediment Color | Grey-B | llack | Sedime | ent Odor | Hydro | ogen Su | ulfide |
| Oil in Sediment | NONE | LIGHT | MODERA | ATE | HEAVY | · (circ | le one) |
| Depth of Fines (In f | eet using 1 inch | diameter probe) | | 0.3 | | e e | |
| Riparian Land Use | 26 5,555 | (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | 0 % | WETLA | | | % |
| (Visual Observation) | | SIDENTIAL | —— <u>%</u> | FORES | - | 60 | - % - % |
| | MERCIALIN | IDUSTRIAL | % | ROW C | 7 | | _% |
| OTHER (S | Specify) | | % | | F | Remarks on | reverse side |



hop://div.state.ii.us.

George H. Ryan, Governor - Brent Manning, Errector

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.

Applicant: MWRDGC

FOR DEPARTMENT USE ONLY PROJCODE: 2203106 DUE DATE:

| Contact Person: Richard Lanyon | Fax: |
|---|--|
| Applicant Address: 100 East Enire Street | Email: |
| " Chicago, IL 60611-3154 | |
| | |
| LOCATION OF | PROPOSED ACTION |
| A MAP SHOWING LOCATION OF PA | ROPOSED ACTION IS REQUIRED |
| Project Name: NPDES #IL6028061 Dischan | a. 151,152 County: Cook |
| Project Address (if available): | 4165 |
| City,State,Zip: | |
| Township/Range/Section (e.g. T45N,R9E,S2): T37N 151 | E Sac 5419 T3610 R13E Sac 1 |
| Brief Description of Proposed Action: Sansitive A | neas evaluation |
| | |
| P. LO. D. IP. IP. SP. | |
| Projected Start Date and End Date of Proposed Action: | |
| Will state funds or technical assistance support this action? [Yes No | I If Van the Intersperson Watland Believ Ast assessment |
| will state funds of technical assistance support this action? [1es 140 | Contact funding agency or this Division for details. |
| | Contact funding agency of this Division for details. |
| | |
| Local/State Agency with Project Jurisdiction: IFPA/B | OW/Pennits |
| Contact: | Phone: |
| Address: 1021 N. Grand East | Fax: |
| SPF18. IL 62702 | Email: |
| | |
| | |
| FOR DEPART | IMENT USE ONLY |
| | |
| Are endangered/threatened species or Natural Areas present in the vicin | ity of the action? [(I No] |
| Could the proposed action adversely affect the endangered/threatened sp | pecies or Natural Area? [Yes 1 No |
| Is consultation terminated? | [CESINO] |
| Comments: Dischange # 152 is in the | vicinity of the hake Calumet Natural |
| Anea which supports humanous | vicinity of the hake Calumet Natural spacing of state listed binds. Advense |
| impacts are unlikely if permit limit | ts and being met |
| Evaluated by: | 3 |
| Signature on file | Date 6-4-02 |
| | |
| Division of Resource Review & Coordination (217)785-5500 | |
| | |



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
09H3 'H H

2002 MAY -8 AM II: 23

DIR. OF R & D

cc: Joe O'Connor



IN REPLY REFER TO

FWS/AES-CIFO (T802)

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)



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.

2002 MAY 14 PM 12: 11
M.W.R.D.
OF GRIR. CHGO.

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

| Name of Responding Organization: | 1.5. Fish + Wildlife Service |
|---|--|
| Name of Person Responding: | Shawn Cirton |
| Address: | 256 S. Grove Av., Ste. 103 |
| | Barrington, IL 60010 |
| | J |
| | |
| Telephone Number: | 847) 381-2253 xt. 236 |
| Signature of respondent: _S | signature on file |
| | |
| - · · · · · · · · · · · · · · · · · · · | ES Permit Number IL0028061 narge Number 165 |
| We have examined our records and date | mained that the arrhipet dischange door / door mat./full |
| within one or more of the following cate | rmined that the subject discharge does/ does not $$ fall egories of sensitive areas: |
| (Circle all categories that apply) | |
| 1. Designated Outstanding Nati | onal Resource Waters |
| 2. National Marine Sanctuaries | |
| 3 Waters with threatened or en | dangered 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 enclos | sed documentation: |
| (Supply supporting documentation for operation for operational pages) | each category and reference the source in the space |
| provided beson or on amusicum pugesy | |
| | |
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| , | · · · · · · · · · · · · · · · · · · · |
| | |

| Name of Responding Organization: | INHS |
|--|--|
| Name of Person Responding: | Pavid L. Thomas Chiof |
| Address: | 607 E. Peabody Drive |
| | Champaign De 61820 |
| · | |
| Telephone Number: | 217- 333-6830 |
| | Signature on file |
| Signature of respondent: | |
| | NPDES Permit Number IL0028061 Discharge Number 165 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| Public drinking water in | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
| To my broader | by we have so specific data pertiset to this site |
| | |
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| The second secon | |

AVI-13

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 logiams 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.

| Date 05/02/02 | Time 11:55 |
|--|--|
| Assessment Observer Sopcak | |
| Waterbody Midlothian Creek | |
| CSO Number 166, 167 Distance | ce 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 NO | RMAL HIGH FLOODED (circle one) |
| Man-made Structures DAM RIF | PRAP BRIDGE LEVEE ISLAND |
| SHEET PILINGS | OTHER (Specify) (circle one) |
| Channelization YES | NO (oircle one) |
| Bank Erosion SLIGHT MC | DDERATE SEVERE (circle one) |
| Logjam or Debris Build-up | YES NO (circle one) |
| Physical Obstacle Preventing Access (If YES, describe obstacle) | YES NO (circle one) |
| Aquatic Vegetation YES T | NO Stion FLOATING ATTACHED (circle one) |
| Sanitary Waste Odor in Water YES | NO (circle one) |
| Sanitary Debris on Banks YES | NO (circle one) |
| Sediment Compostion Plant Debris | |
| (Visual Observation) Clay Silt (Organic) | 15 % |
| Sand (<2mm diame | |
| Gravel (2mm to <1 | Approximation of the second se |
| Cobble (16mm to | 40 BM 2 MB 1 |
| Boulder (>256mm Bedrock or Cond | The state of the s |
| Sediment Color Brown | Sediment Odor None |
| Oil in Sediment NONE LIGHT | T MODERATE LIEAVO |
| Depth of Fines (In feet using 1 inch diameter prob | , |
| | |
| Riparian Land Use GRASSLAND (Visual Observation) URBAN RESIDENTIAL | |
| URBAN COMMERCIAL/INDUSTRIAL | The state of the s |
| OTHER (Specify) | % Remarks on reverse side |
| | |

| Additional Remarks | CSO #166 and CSO #167 are located on opposite banks at | | | | | | |
|--|--|--|--|--|--|--|--|
| approximately the san | point on the creek. One survey was done for both outfalls. | | | | | | |
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| and the second s | | | | | | | |
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| Date05/0 | 2/02 | Time | | 12:10 |
|---|---|-------------------|------------|-------------------------|
| Assessment Observe | Sopcak | | | |
| Waterbody Mid | othian Creek | | | |
| CSO Number 166, | 167 Distance Belo | ow CSO (ft) 50 | 200 | (circle one) |
| Assessment Location | Facing Upstream LI | FT 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 FLO | ODED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | oscity) | (circle one) |
| Channelization | YES NO | (circle one) | | • |
| Bank Erosion | SLIGHT MODERA | TE SEVERE | | (circle one) |
| Logjam or Debris Bu | ild-up YES | NO |) (circle | one) |
| Physical Obstacle Pre (If YES, describe obst | • | ₹ NO | (circle | one) |
| Aquatic Vegetation | YES TO NO If YES, is vegetation | FLOATING | ATTA | CHED (circle one) |
| Sanitary Waste Odor i | n Water YES | NO (circ | cie one) | |
| Sanitary Debris on Ba | nks YES | NO (circ | de one) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) | 30 | - % - % | |
| | Sand (<2mm diameter) | 50 | - % | |
| | Gravel (2mm to <16mm di Cobble (16mm to <256mm | | - % | |
| | Boulder (>256mm diamet | | - % | |
| | Bedrock or Concrete | | - % | |
| Sediment Color | Brown | Sediment Odor | | None |
| Oil in Sediment | NONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet | sing 1 inch diameter probe) | 0.03 | | |
| Riparian Land Use | GRASSLAND | % WETLA | ND | % |
| | RBAN RESIDENTIAL | % FORES | | % |
| | ERCIAL/INDUSTRIAL | % ROW 0 | ROPS | % |
| OTHER (Specif | 1) | % | | 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. | | | | | | |
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| Date | 05/02/02 | | Time | | 12:15 |
|--|---|---|-------------------|--------------------------------|-------------------------|
| Assessment Obs | erver Sopca | k | | | |
| Waterbody | Midlothian Cree | k | | | |
| CSO Number | 166, 167 | Distance Below CS | SO (ft) 50 | 200 | (circle one) |
| Assessment Loca | ation Facing Ups | tream LEFT | CENTER < | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | RIFFLE | > | (circle one) |
| Water Depth (ft) | 1.3 | с | hannel Width (ft) | *** | 12 |
| Water Level | LOW | NORMAL (| HIGH FLO | ODED | (circle one) |
| Man-made Struck | | RIPRAP PILINGS (| BRIDGE | LEVEE | ISLAND |
| Channelization | YES | NO | OTHER (Sp. | еспу) | (circle one) |
| Bank Erosion | SLIGHT | MODERATE | SEVERE | | (circle one) |
| Logjam or Debri | s Build-up | YES | NO | (circle | e one) |
| Physical Obstacle (If YES, describ | | ess YES ব্ | NO | (circle | e one) |
| Aquatic Vegetation | | * | LOATING | ATTA | CHED (circle one) |
| Sanitary Waste C | dor in Water | YES N | (circi | e one) | |
| Sanitary Debris o | n Banks | YES N | 10 (circl | e one) | |
| Sediment Compo (Visual Observati | Silt (Org Sand (< Gravel Cobble Boulder Bedroc | anic) 2mm diameter) (2mm to <16mm diameter) (16mm to <256mm diameter) (>256mm diameter) k or Concrete | eter) | % % % % % % | |
| Sediment Color | Brown-Bla | ack S | ediment Odor | Decomp | osing Vegetation |
| Oil in Sediment | NONE | LIGHT MO | DERATE | HEAVY | (circle one) |
| Depth of Fines (In | feet using 1 inch dia | meter probe) | 0.1 | | |
| Riparian Land Us (Visual Observation) | URBAN RESI | *************************************** | 6 FORES | Γ. | 5 % 45 % |
| | MMERCIAL/IND | | | ROPS | % |
| OTHER | Specify) | 9 | 6 | • | Remarks on reverse side |

| Additional Remarks CSO #166 and CSO #167 are located or | | | | | banks at | |
|---|---|-----|---|--|----------|---|
| approximately the same point on the creek. One survey was done for both outfalls. | | | | | | |
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| Date (| 05/02/02 | 2 | 2 6 | | | Time | 7,255 | 12:20 |) |
|--|------------|-------------|---------------------------|--------------|--------------------|------------|----------|------------|--------------|
| Assessment Obse | rver | Sopcak | | | | 2 | * | 1000000 | |
| Waterbody _ | Midlothi | an Creek | | | | | | | |
| CSO Number | 166, 167 | - | Distance | Below CS | O (ft) | 50 | 200 |) (| irale one) |
| Assessment Locat | ion Fac | ing Upstr | eam < | LEFT |) CEI | NTER | RIGHT | (e | ircie one) |
| Channel Habitat | | POOL | | RUN | | RIFFLE | | (0 | ircle one) |
| Water Depth (ft) | | 1.3 | | Ch | annel | Width (ft) | 31 | 15.5 | |
| Water Level | | LOW | NORM | MAL CH | IGH | FLO | ODED | (0 | ircle one) |
| Man-made Structu | ires | DAM | RIPR | AP | BRI | DGE | LEVEE | ų e | ISLAND |
| | | SHEET | PILINGS | C | THER | | | (ci | rcle one) |
| Channelization | | YES | | 10) | (circ | le one) | , activ) | | |
| Bank Erosion | SLIC | GHT | MOD | ERATE | > | SEVERE | | (ci | rde one) |
| Logjam or Debris | Build-u | ip . | | (ES) | | NO | (circle | e one) | |
| Physical Obstacle (If YES, describe | | | ss \ | ∕ES च् | | NO |) (circk | e one) | |
| Aquatic Vegetation | | YES = | vegetatio | n F | LOATI | NG | ATTA | CHED | (circle one) |
| Sanitary Waste Od | lor in Wa | ater | YES | \bigcirc N | $\overline{\circ}$ | . (circ | le one) | | . a |
| Sanitary Debris on | Banks | 4 | YES | \bigcirc N | $\overline{\circ}$ | (circ | e one) | | *: |
| Sediment Composition (Visual Observation | Q | Plant Del | bris | | # 1 # 2 | 60 | - % | 2 | |
| 100 | | Silt (Organ | | | | 20 | % | | :4 |
| | | | mm diameter mm to <16m | | | <u>15</u> | - % | | •1. |
| | | Cobble (1 | 6mm to <25 | 6mm diame | | | % | | 24 |
| K. | | | >256mm dia or Concret | | | | - % | | |
| Sediment Color _ | | own-Blac | | | edimer | t Odor | • | Earthy | / % |
| Oil in Sediment | NO | NE | LIGHT | MOI | DERAT | ΓE | HEAVY | (ci | rcle one) |
| Depth of Fines (In fe | et using ' | inch diame | eter probe) | | £ | 0.1 | | 72.00 | enaces. |
| Riparian Land Use | ¥0. | GRAS | SLAND | 50 % | ы | WETLA | ND | 5 | % |
| (Visual Observation) | URBA | N RESID | ENTIAL _ | % | | FORES | Γ . | 45 | -% |
| URBAN COM | IMERCI | AL/INDU | STRIAL_ | % | | ROW C | ROPS | | _% |
| OTHER (S) | pecify) | | | % | | | 4 | Remarks or | 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. | | | | | | | |
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| Date | 05/02/02 | 2 | | | 7 | Time | | 12:3 | 0 |
|--|------------------|--|-----------------|------------------------------------|-----------|-----------------|----------------------------|----------------|----------------|
| Assessment Obs | erver | Sopcak | | | | | | | |
| Waterbody | Midlothi | an Creek | | | | | | | |
| CSO Number | 166, 167 | 7_ | Distance B | elow CS | O (ft) | 50 | 200 | | circle one) |
| Assessment Loca | ation Fac | ing Upstre | eam | LEFT | CENT | ER | RIGHT | (6 | circle one) |
| Channel Habitat | • | POOL | R | UN | , F | RIFFLE | | (0 | circle one) |
| Water Depth (ft) | | 0.6 | | Ch | annel W | fidth (ft) | | 15.5 | ; · |
| Water Level | | LOW | NORM | AL H | GH) | FLO | DDED | (0 | circle one) |
| Man-made Struct | ures | DAM | RIPRA | /P | BRID | GE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | . 0 | THER _ | | eciry) | _ (0 | circle one) |
| Channelization | . · · · <u> </u> | YES | N | | (circle o | | · | | |
| Bank Erosion | SLI | GHT | MODE | RATE | Ś | EVERE | | (0 | circle one) |
| Logjam or Debri | s Build- | up qu | Y | ES | | 10) | (circl | e one) | |
| Physical Obstacle (If YES, describ | | | s YI | ES 🗇 | | 10 | (circl | a one) | |
| Aquatic Vegetation | n | YES = | vegetation | | OATINO | G | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in W | ater | YES | (NO | \sim | (circle | one) | | |
| Sanitary Debris o | n Banks | | YES | ○ NO | | (circle | e one) | | |
| Sediment Compo (Visuel Observati | | Gravel (2) Cobble (1) Boulder (2) Bedrock (2) | | n diameter) mm diamet neter) | er) | 15 15 70 | % % % % % % | | |
| Sediment Color | · | Brown | | Se | diment | Odor | | None |) |
| Oil in Sediment | NO | NE | LIGHT | MOE | DERATE | | HEAVY | . (c | ircle one) |
| Depth of Fines (in | feet using | 1 inch diame | eter probe) | | | 0.3 | | | |
| Riparian Land Us (Visual Observation) | | GRAS | SLAND ENTIAL | 50 % % | | VETLAN OREST | | <u>5</u> 45 | % |
| URBAN CO | MMERC | IAL/INDU | STRIAL | % | · R | ROW CF | ROPS | | % |
| OTHER | (Specify) | | | <u></u> % | | | | Remarks o | n reverse side |

| Additional Remarks | CSO #166 and CSO #167 are located on opposite banks at | | | | |
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| approximately the same | e point on the cre | ek. One survey | / was done | for both outfa | alls. |
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| Date | 05/02/02 | 2 | | | Time | | 12:40 |
|---|---|---|--|----------------------------|---|---------------------------------------|-----------------------------|
| Assessment Ob | server | Sopcak | | | | | |
| Waterbody | Midlothi | an Creek | | | | | |
| CSO Number | 166, 16 | 7 Di | istance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Loc | cation Fac | ing Upstream | m LEF | T CEN | ITER < | RIGHT | (circle one) |
| Channel Habitat | | POOL | RUN | > | RIFFLE | | (circle one) |
| Water Depth (ft) | | 0.6 | | Channel \ | Nidth (ft) | | 15.5 |
| Water Level | | LOW | NORMAL (| HIGH | FLOC | DDED | (circle one) |
| Man-made Struc | ctures | DAM | RIPRAP | BRI | DGE | LEVEE | ISLAND |
| | | SHEET PIL | INGS | OTHER | · (Spe | eary) | (circle one) |
| Channelization | | YES | NO | (circle | e one) | | |
| Bank Erosion | SLI | GHT | MODERAT | E ; | SEVERE | | (circle one) |
| Logjam or Deb | ris Build- | up | YES | > · _ | NO | (circle or | nd) |
| Physical Obstac (If YES, descri | | - | YES | <u> </u> | NO > | (circle on | 19) |
| Aquatic Vegetat | ion | YES च्रा If YES, is v | NO | > FLOATI | NG | ATTAC | HED (circle one) |
| | | | | | | | |
| Sanitary Waste | Odor in W | /ater YI | ES < | NO | (circle | e one) | |
| Sanitary Waste Sanitary Debris | | | ES C | NO NO | | e one) e one) | |
| | on Banks | Plant Debri Clay Silt (Organic Sand (<2mr Gravel (2mr | ES C | NO No neter) | | | |
| Sanitary Debris Sediment Comp | on Banks | Plant Debri Clay Silt (Organic Sand (<2mr Gravel (2mr Cobble (16r | ES is in diameter) in to <16mm diameter in to <256mm o | NO neter) | 15 30 10 5 | % % % % % | |
| Sanitary Debris Sediment Comp | on Banks ostion ation) | Plant Debric Clay Silt (Organic Sand (<2mn Gravel (2mn Cobble (16n Boulder (>2 | is is in diameter) in to <16mm diameter) in to <256mm diameter) Concrete | NO neter) | 15 30 10 5 40 | % % % % % | None |
| Sanitary Debris Sediment Comp (Visual Observi | on Banks | Plant Debric Clay Silt (Organic Sand (<2mn Gravel (2mn Cobble (16n Boulder (>2 Bedrock or | is is in diameter) in to <16mm diameter) in to <256mm diameter) Concrete | NO neter) | 15 30 10 5 40 | % % % % % | |
| Sanitary Debris Sediment Comp (Visual Observi | on Banks | Plant Debric Clay Silt (Organic Sand (<2mn Gravel (2mn Cobble (16n Boulder (>2 Bedrock or Brown-Black | is is in diameter) in to <16mm diameter) in to <256mm diameter) Concrete | neter) diameter) | 15 30 10 5 40 | % % % % % % % % % % % % % % % % % % % | None |
| Sanitary Debris Sediment Comp (Visual Observe) Sediment Color Oil in Sediment | on Banks postion ation) E No (In feet using | Plant Debric Clay Silt (Organic Sand (<2mn Gravel (2mn Cobble (16n Boulder (>2 Bedrock or Brown-Black | is is in diameter) in to <16mm diameter) in to <256mm diameter) Concrete LIGHT er probe) SLAND 50 | neter) diameter) | 15 30 10 5 40 | % % % % HEAVY | None (circle one) 5 % 45 % |
| Sediment Comp (Visual Observi Sediment Color Oil in Sediment Depth of Fines ((Visual Observation) | on Banks postion ation) E NO URB | Plant Debri Clay Silt (Organic Sand (<2mn Gravel (2mn Cobble (16n Boulder (>2 Bedrock or Brown-Black | is is in diameter) in to <16mm diameter) in to <256mm diameter) Concrete LIGHT er probe) SLAND 50 NTIAL | NO neter) diameter) MODERA | 15 30 10 5 40 nt Odor TE 0.3 | % % % % HEAVY | None (circle one) |

| 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. | | | | | | | |
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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: 5-23-0 Z

| Applicant MWRDGC | Phone: 312-751-5600 |
|--|--|
| Contact Person Richard hanvon | Fax: |
| Applicant Address: 100 E. Enia Stract | Email: |
| | |
| | |
| TOCATION OF DE | TOPOGED LOWOV |
| | ROPOSED ACTION |
| Project Name: NPNES *ILOO 28061 Outfall | 1/1 + 1/ 7 COURTS COOK |
| Project Address (if available): | |
| City, State, Zip: | |
| Township/Range/Section (e.g. T45N,R9E,S2): T 36 N | BISE Seel |
| Brief Description of Proposed Action: Sensitive an | are evaluation |
| Differ Description of Proposed Passess | Constitution of the consti |
| | |
| Projected Start Date and End Date of Proposed Action: | |
| • | |
| Will state funds or technical assistance support this action? [Yes 197] | If Yes, the Interagency Wetland Policy Act may apply. |
| | Contact funding agency or this Division for details. |
| | |
| Local/State Agency with Project Jurisdiction: TEPA/ | BOW/Permits |
| Contact: 1021 N. Grand Ave East | Phone: |
| Address: Sofld, Ih 62702 | Fax: |
| Address: Speta, 1102 | Email: |
| | L41KU. |
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| FOR DEPARTM | MENT USE ONLY |
| | |
| Are endangered/threatened species or Natural Areas present in the vicinity | |
| Could the proposed action adversely affect the endangered/threatened spec | |
| Is consultation terminated? | [Yes] No] |
| Comments: | |
| | |
| | |
| Evaluated by: | Date 6-4-62 |
| Signature on file— | Date 6 , 52 |
| | |
| Division of Resource Review & Coordination (217)785-5500 | |

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
09H3 3189 40

2002 MAY -8 AN II: 23

DIR. OF R & D 51-11A

cc: Joe O'Connor



IN REPLY REFER TO

FWS/AES-CIFO (T833)

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)



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.

2002 MAY 14 PM IZ: 1.1
2002 MAY 14 PM IZ: 1.1

M. W. R. D. HGO.

OF GRIR. CHGO.

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

| Name of Responding Organization: U.S. Fish & Wildlife | Service |
|---|----------------------|
| Name of Person Responding: Shawn Cirton | |
| Address: 1250 5-6 rove A | tv., ste. 103 |
| Barrington, IL 600 | |
| | |
| Telephone Number: 847) 381-2253 x | t, 236 |
| Signature of respondent: _Signature on fil | e |
| | |
| Subject: NPDES Permit Number IL0028061 Discharge Numbers 166and 167 | |
| We have examined our records and determined that the subject discharge within one or more of the following categories of sensitive areas: | does_/does not_/fall |
| (Circle all categories that apply) | |
| 1. Designated Outstanding National Resource Waters | |
| 2. National Marine Sanctuaries | |
| (3) Waters with threatened or endangered species and their habita | at |
| 4. Shellfish beds | |
| 5. Waters with primary contact recreation | |
| 6. Public drinking water intakes or their designated protection a | reas |
| Our determination is based on the enclosed documentation: | |
| (Supply supporting documentation for each category and reference the provided below or on additional pages) | source in the space |
| | |
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| Name of Responding Organization | : Illinois EPA |
|--|--|
| Name of Person Responding: | Robert Moshin |
| Address | P.O. Box 19276 |
| | Springfield IL 62794-9216 |
| | |
| Telephone Number: | 217-782-3362 |
| Signature of respondent: | Signature on file_ |
| 4.1 | |
| | NPDES Permit Number IL0028061 Discharge Numbers 166and 167 |
| We have examined our records and within one or more of the following | d determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that o | apply) |
| Designated Outstanding | g National Resource Waters |
| National Marine Sanctu | naries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| Waters with primary co | entact recreation |
| @ Public drinking water in | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
| See letter from 1 | ve to Mr. Dick Canyon dated |
| April 5 2002. | · · · · · · · · · · · · · · · · · · · |
| , , | UF GRIR. C HGO. |
| | O R.W.M |
| | 2002 MVA 1 P LM IS: 0 |
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AVII-19

| Name of Responding Organization: City of Blue Island |
|---|
| Name of Person Responding: Donald E. Peloque |
| Address: 13051 FREENWOOD |
| Blue Island, Il 60406 |
| |
| Telephone Number: 708.396.7030 |
| Signature of respondent:Signature on file |
| |
| Subject: NPDES Permit Number IL0028061 Discharge Numbers 166and 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: |
| Our determination is based on the environmentation. |
| (Supply supporting documentation for each category and reference the source in the space |
| provided below or on additional pages) |
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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 logiams 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.

| Date 05 / 02 / 0 | 2 | Time | 13:00 |
|--|---|-------------------|-------------------------|
| Assessment Observer | Sopcak | | |
| Waterbody Midlothia | an Creek | | |
| CSO Number 168 | Distance Below CS | O (ft) 50 | 200 (circle one) |
| Assessment Location Faci | ng Upstream LEFT | CENTER RIG | HT (circle one) |
| Channel Habitat | POOL RUN | RIFFLE | (circle one) |
| Water Depth (ft) | 1.2 Ch | annel Width (ft) | 20.5 |
| Water Level | LOW NORMAL (H | IGH FLOODE | D (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE LEV | EE ISLAND |
| | SHEET PILINGS O | THER | (circle one) |
| Channelization | YES NO | , (citate oue) | |
| Bank Erosion SLIC | GHT MODERATE | SEVERE | (circle one) |
| Logjam or Debris Build-u | p YES | , NO | (circle one) |
| Physical Obstacle Prevent (If YES, describe obstacle) | 45 | NO | (circle one) |
| | YES NO NO If YES, is vegetation | LOATING A | TTACHED (circle one) |
| Sanitary Waste Odor in Wa | ater YES N | (ctrcle one) | |
| Sanitary Debris on Banks | YES N | (circle one) | |
| (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 | 90 9 10 9 | % % % % % |
| Sediment Color | Black Se | ediment Odor | Oily |
| Oil in Sediment NO | | DERATE HEA | |
| Depth of Fines (In feet using | | 0.3 | (Cache Orley) |
| Riparian Land Use (Visual Observation) URBA | GRASSLAND % N RESIDENTIAL % | WETLAND FOREST | % |
| URBAN COMMERCI | | | |
| OTHER (Specify) | % | | Remarks on reverse side |

| Additional Remarks | Warehouse on left bank has filled the riparian zone to limit | | | | |
|--|--|--|--|-------|--|
| property loss due to erosion by stream. CSO #168 outlet is blocked by large pieces of concrete fill material used to stabilize river bank adjacent to warehouse parking lot. | | | | es of | |
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| Date U570 | 12 / 02 | | 1 ime | | 13:05 |
|--|---|--|------------------|---|-------------------------|
| Assessment Observe | r Sopcak | | | | ie e to st |
| Waterbody Mid | lothian Creek | | | | |
| CSO Number10 | 68 Dis | tance Below CS | O (ft) 50 | 200 | (circle one) |
| Assessment Location | Facing Upstream | LEFT | CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | RIFFLE | E _n | (circle one) |
| Water Depth (ft) | 2 | Ch | annel Width (ft) | | 20.5 |
| Water Level | LOW | NORMAL CH | IGH FLOO | DDED | (circle one) |
| Man-made Structures | DAM | RIPRAP | BRIDGE | LEVEE | ISLAND |
| 4 | SHEET PILI | NGS C | THER | acity) | (circle one) |
| Channelization | YES | NO | (circle one) | <i>1</i> / | * * * * |
| Bank Erosion | SLIGHT | MODERATE | SEVERE | | (circle one) |
| Logjam or Debris Bo | ıild-up | YES | NO | (circle | one) |
| Physical Obstacle Pre (If YES, describe obs | | YES 🔻 | NO | (circle | one) |
| Aquatic Vegetation | YES ¬Ţ | NO getation F | LOATING | ATTA | CHED (circle one) |
| Sanitary Waste Odor | in Water YES | S N | (cird | e one) | |
| Sanitary Debris on Ba | nks YES | | (circl | e one) | |
| Sediment Compostion (Visual Observation) | Clay Silt (Organic) Sand (<2mm Gravel (2mm | diameter) to <16mm diameter n to <256mm diame 6mm diameter) | | % - % - % - % - % | |
| Sediment Color | Brown | | ediment Odor | - ′° | Earthy |
| Oil in Sediment | | | DERATE | HEAVY | |
| Depth of Fines (in feet | | | 0.2 | TILAVI | (circle one) |
| 1) A Section of the Control of the C | T as received to the | | | NID. | 04 |
| Riparian Land Use (Visual Observation) | GRASSL IRBAN RESIDEN | | | | % % |
| | ERCIAL/INDUST | | | San | % |
| OTHER (Speci | (y) <u> </u> | 9 | 6 | | Remarks on reverse side |

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date 05/02/02 | 1 ime 13 | : 15 |
|--|-------------------------|-----------------------|
| Assessment Observer Sopcak | | Market and the second |
| Waterbody Midlothian Creek | | |
| CSO Number 168 Distance Below | v CSO (ft) 50 200 | (circle one) |
| Assessment Location Facing Upstream LEF | T CENTER RIGHT | (circle one) |
| Channel Habitat POOL RUN | RIFFLE | (circle one) |
| Water Depth (ft) 1.2 | Channel Width (ft) 20 | 0.5 |
| 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 MODERAT | TE SEVERE | (circle one) |
| Logjam or Debris Build-up YES | NO (circle one) | |
| Physical Obstacle Preventing Access YES (If YES, describe obstacle) | NO (circle one) | |
| Aquatic Vegetation YES TO NO If YES, is vegetation | > FLOATING ATTACHE | D (circle one) |
| Sanitary Waste Odor in Water YES | NO (circle one) | |
| Sanitary Debris on Banks YES | NO (circle one) | |
| Sediment Compostion (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 | diameter) % | |
| Sediment Color Black | | **** |
| Oil in Sediment NONE (LIGHT) | | ily |
| | MODERATE HEAVY | (circle one) |
| Depth of Fines (In feet using 1 inch diameter probe) | 0.7 | |
| Riparian Land Use GRASSLAND URBAN RESIDENTIAL 90 | % WETLAND % FOREST 1 | <u></u> % |
| URBAN COMMERCIAL/INDUSTRIAL | % FOREST1 % ROW CROPS | <u>0</u> % |
| OTHER (Specify) | 0/ | ks on reverse side |

| Additional Remarks | Residential lawn adjacent to bank | | | | | |
|--------------------|-----------------------------------|--|--|--|--|--|
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| Date 05/02/0 | 2 | Time. | 13 | :20 |
|--|---|--------------------|--------------|--------------------|
| Assessment Observer | Sopcak | - | | |
| Waterbody Midlothi | ian Creek | : . | | |
| CSO Number 168 | Distance Below | CSO (ft) 50 | 200 | (circle one) |
| Assessment Location Fac | ing Upstream LEF | CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL RUN | RIFFLE | | (circle one) |
| Water Depth (ft) | 2.3 | Channel Width (ft) | 16 | 5.7 |
| Water Level | LOW NORMAL | HIGH FLOO | DDED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | sciry) | (circle one) |
| Channelization | YES NO | (circle one) | echy). | |
| Bank Erosion SLI | IGHT MODERATE | SEVERE | > 1 | (circle one) |
| Logjam or Debris Build- | up YES | NO | (circle one) | |
| Physical Obstacle Preven (If YES, describe obstacle | ting Access YES Very steep bank covered with c | NO concrete debris | (circle one) | |
| Aquatic Vegetation | YES NO NO If YES, is vegetation | > FLOATING | ATTACHE | D (circle one) |
| Sanitary Waste Odor in W | /ater YES C | NO (circle | one) | |
| Sanitary Debris on Banks | YES < | NO (circle | one) | |
| Sediment Compostion | Plant Debris | | % | |
| (Visual Observation) | Clay Silt (Organic) | | % | |
| | Sand (<2mm diameter) | 20 | % | |
| | Gravel (2mm to <16mm diame | | % | |
| | Cobble (16mm to <256mm dia | ameter) | % | |
| , | Boulder (>256mm diameter) | | % | |
| | Bedrock or Concrete | | % | .* |
| Sediment Color | Brown | Sediment Odor | No | ne |
| Oil in Sediment NO | DNE LIGHT N | MODERATE | HEAVY | (dirde one) |
| Depth of Fines (In feet using | 1 inch diameter probe) | 0.2 | | |
| Riparian Land Use (Visual Observation) URBA | GRASSLANDAN RESIDENTIAL | _% WETLAN | | % |
| URBAN COMMERC | | _% FOREST | | 5% % |
| OTHER (Specify) | | _% | - | ks on reverse side |
| | | | | |

| Additional Remarks | Riparian area filled with broken concrete debris to a height of 12-15 |
|--------------------|---|
| feet | |
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| Date 05/6 | 02/02 | | Time | | 13:30 |
|--|---|----------------------------------|----------------|-----------------------|-----------------------|
| Assessment Observe | r Sopcak | | | | |
| Waterbody Mid | lothian Creek | | | | |
| CSO Number1 | 68 Distanc | e Below CSO (ft | 50 | 200 | (circle one) |
| Assessment Location | Facing Upstream | LEFT C | ENTER | RIGHT | (circle one) |
| Channel Habitat | POOL < | RUN | RIFFLE | | (circle one) |
| Water Depth (ft) | 2.6 | Channe | el Width (ft) | | 16.7 |
| Water Level | LOW NO | RMAL HIGH | > FLOO | DED | (circle one) |
| Man-made Structures | DAM RIF | PRAP B | RIDGE | LEVEE : | ISLAND |
| • • • • | SHEET PILINGS | OTHE | R | :IV) | (circle one) |
| Channelization | YES < | NO (| circle one) | | |
| Bank Erosion | SLIGHT MO | DERATE | SEVERE | | (circle one) |
| Logjam or Debris B | qu-blit | YES < | NO | (circle on | e) . |
| Physical Obstacle Pre (If YES, describe obs | | YES 🗇 🤇 | NO. | (circle on | e) |
| Aquatic Vegetation | YES 🦏 🤇 | NO FLOA | TING | ATTACH | ED (circle one) |
| Sanitary Waste Odor | in Water YES | NO |) (circle | one) - | |
| Sanitary Debris on Ba | nks YES | NO |) (circle (| one) | |
| Sediment Compostion (Visual Observation) | Clay Silt (Organic) Sand (<2mm diame Gravel (2mm to <16 Cobble (16mm to < | 6mm diameter) 256mm diameter) | 80 10 10 | % % % % % | |
| | Boulder (>256mm of Bedrock or Conc | | | % | |
| Sediment Color | Grey-Brown | Sedim | ent Odor | E | arthy |
| Oil in Sediment | NONE LIGHT | MODER | ATE | HEAVY | (circle one) |
| Depth of Fines (In feet | using 1 inch diameter probe |)· | 0.2 | | |
| Riparian Land Use | GRASSLAND | % | WETLAN | D | % |
| | RBAN RESIDENTIAL | | FOREST | | % |
| | ERCIAL/INDUSTRIAL | % | ROW CR | OPS | % |
| OTHER (Specif) |) | % | | Ren | narks on reverse side |

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date | 05/02/02 | | Time | | 13:40 | |
|--|---|---|------------------|----------------------------|------------------------|-----------|
| Assessment Obse | erver Sopcak | | | , | | |
| Waterbody | Midlothian Creek | | | | | |
| CSO Number | | stance Below CS0 | O (ft) 50 | 200 | (circle one) | |
| Assessment Loca | tion Facing Upstream | n LEFT | CENTER < | RIGHT | (circle one) | |
| Channel Habitat | POOL | RUN | RIFFLE | | (circle one) | |
| Water Depth (ft) | 1.3 | Cha | annel Width (ft) | | 16.7 | <u></u> , |
| Water Level | LOW | NORMAL (HI | GH FLO | ODED | (circle one) | |
| Man-made Structe | ures DAM | RIPRAP (| BRIDGE | LEVEE | ISLA | ND |
| | SHEET PIL | INGS O | THER | ecily) | (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 (If YES, describe | Preventing Access obstacle) | YES ¬J | NO | (circle | one) | |
| Aquatic Vegetation | n YES 司, If YES, is ve | NO FL | OATING | ATTA | CHED (circle | one) |
| Sanitary Waste O | dor in Water YE | s N | (circl | e cne) | | |
| Sanitary Debris or | Banks YE | s N | (circl | e one) | | |
| Sediment Compos (Visual Observation | Silt (Organic) Sand (<2mm Gravel (2mm Cobble (16m Boulder (>25 Bedrock or | diameter) to <16mm diameter) m to <256mm diamete 6mm diameter) Concrete | | % % % % % % | | |
| Sediment Color | Grey | Se | diment Odor | | Earthy | |
| Oil in Sediment | NONE L | IGHT MOD | ERATE | HEAVY | (circle one) | |
| Depth of Fines (In | feet using 1 inch diameter | probe) | 0.4 | , | | |
| Riparian Land Use | GRASSL | AND% | WETLA | ND | <u></u> %. | |
| (Visual Observation) | URBAN RESIDEN | | FORES | | 10 % | ٠. |
| | MMERCIAL/INDUST | | ROWC | ROPS | <u></u> % | |
| OTHER | Specify) | % | - | | Remarks on reverse sid | de |

| Additional Remarks | Residential lawn extends to edge of river, not fenced | | | | |
|--------------------|---|--|--|--|--|
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George H. Ryan, Sovernor - Brent Menning, 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: 020 2895 DUE DATE: 5-29-0

| | | - | | |
|---|--|---|---------------------------------------|-------|
| Applicant: MWRDGC | Phone: 312 | -751-5 | 600 | |
| Contact Person: Richard Lanyon | Fax: | , | · · · · · · · · · · · · · · · · · · · | |
| Applicant Address: 100 E. Enia Street | Email: | · · | · | |
| Chicago, IL 60611-3154 | | | | |
| | | | | |
| V 2 T T T T T T T T T T T T T T T T T T | PROPOSED ACTION | • | | |
| A MAP SHOWING LOCATION OF P | ROPOSED ACTION IS | REQUIRED | · L | |
| Project Name: NPDES # IL GO 28061 Dis | change 168 Count | у:С | 00/K | |
| Project Address (if available): | | | | |
| City, State, Zip: | Divis 5 | | | |
| Township/Range/Section (e.g. T45N,R9E,S2): R 36 N | WHE > | 800 | | - |
| Brief Description of Proposed Action: Sensitive | area eval | malion. | | |
| | | | | |
| Projected Start Date and End Date of Proposed Action: | | | | |
| | | | | |
| Will state funds or technical assistance support this action? [Yes] | | | | e e . |
| | Contact funding agenc | y or this Division to | or details. | |
| | | | | |
| Local/State Agency with Project Jurisdiction: <u>IEPA</u> | | | | |
| Contact: Un Known | Phone: | | | 9 |
| Address: | Fax: | | | |
| | Email: | | | |
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| | * ************************************ | | | |
| FOR DEPAR | TMENT USE ONLY | 9 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D | TO BE | |
| | | | | * |
| Are endangered/threatened species or Natural Areas present in the vicin | | | [Yes 100] | |
| Could the proposed action adversely affect the endangered/threatened s | species or Natural Area? | | [Yes NO | |
| Is consultation terminated? | | 2 4/4 | [VEN No] | 5 15 |
| Comments: | | | | |
| | | | | |
| | | | | |
| -Signature on file | * | | 4-02 | |
| Signature on file | | Date 6 | 7-02 | |
| | | | | , |
| Division of Resource Review & Coordination (217)785-5500 | | | | |
| Copies to File Visit our website at http://do | | uma hem | | |
| | | | | |
| Richard - au | nr.state 11 115 or ep/mrrc/1 | irre.min | | |

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
09H0 H189 40

ZIBZ WYY -8 AN II: 23

DIR. OF RELEVINA

cc: Joe O'Connor



IN REPLY REFER TO

FWS/AES-CIFO (T886)

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)



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 GRIR, CHGO,

5005 JUN 4- MIL: 05

OIR. OF R & D

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

| of Responding Organization | n: Illinois EPA | | |
|---|---|---|---------------------------------------|
| of Person Responding: | Robert Mosher | 4, | |
| Tairess: | | | #! # |
| | | | S. El . |
| | | | 631 |
| | | · | |
| Telephone Number: | | | |
| Signature of respondent: | Signature or | n file | |
| | | | |
| Subject | NPDES Permit Number 1 Discharge Number 168 | (L0028061 | , |
| We have examined our records as within one or more of the following | | | es not_fall |
| (Circle all categories than | apply) | | |
| O Designated Outstanding | ng National Resource Waters | s · | 84 17 48 |
| National Marine Sanc | tuaries | | * |
| 3. Waters with threatene | d or endangered species and | their habitat | # # # # # # # # # # # # # # # # # # # |
| 4. Shellfish beds | | | |
| 5. Waters with primary of | ontact recreation | 4. A. | |
| © Public drinking water | intakes or their designated p | rotection areas | |
| Our determination is based on the | enclosed documentation: | • • • • • • • • • • • • • • • • • • • | |
| (Supply supporting documentational provided below or on additional | | ference the source in | the space |
| See attached cop | ry of previous | Letter | |
| | 14 | | • |
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AVIII-16



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 GRIR. CHGO.

ZEEZ WAY ZI AN II: 37 LINA

| Sensit | ive 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 () |
| | |
| | DES Permit Number IL0028061 charge Number 168 |
| We have examined our records and det within one or more of the following ca | |
| (Circle all categories that appl | DIR. OF A DIR. OF A MAY 15 R |
| 1. Designated Outstanding Na | of GRTR. OF R & D R. W.R. D R. CHGO. |
| National Marine Sanctuarie | S 5 20 |
| 3. Waters with threatened or e | endangered species and their habitat |
| 4. Shellfish beds | 10. +3 |
| 5. Waters with primary contact | |
| 6. Public drinking water intak | es or their designated protection areas |
| Our determination is based on the encl | osed documentation: |
| (Supply supporting documentation for provided below or on additional page) | r each category and reference the source in the space s) |
| We have searched our co | ollection database and can find no recent |
| discharge area. This <u>fishes, crayfishes and</u> | or endangered species in or around the search included searching for records of mussels. Our biologists feel that there |
| is very little likelih (federal or state list | ood that any threatened or endangered specie ed) would occur at this site. |
| | |
| | |

| Name of Responding Organization: | City of Blue Island |
|--|---|
| Name of Person Responding: | Donald E. Peloquin |
| Address: | 13051 GREENWood |
| | Blue Island IL 60406 |
| | |
| Telephone Number: | 708-396-7030 |
| · | Signature on file |
| California I | ATTION TO A DOCUMENT OF THE CONTROL |
| • | NPDES Permit Number IL0028061 Discharge Number 168 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not_fall categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctus | aries |
| 3. Waters with threatened of | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the e | nclosed documentation: |
| (Supply supporting documentation provided below or on additional page 1) | for each category and reference the source in the space ages) |
| | |
| | |
| | |
| | |

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 logiam 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.

| Date 05 / 23 / 02 | 윷 | | Time | | 10:50 |
|---|--|-------------|------------------|-----------------------|-------------------------|
| Assessment Observer Wasik | | | | | 75 |
| Waterbody North Shore Chang | nel | | | | |
| CSO Number 101 | Distance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location Facing Upstream | am LEF | CEN | NTER | RIGHT | (circle one) |
| Channel Habitat POOL | RUN | | RIFFLE | | (circle one) |
| Water Depth (ft) 3.1 | | Channel | Width (ft) | | 100 |
| Water Level LOW | NORMAL | HIGH | FLOC | DED | (circle one) |
| Man-made Structures DAM | RIPRAP | BRI | DGE | LEVEE | ISLAND |
| SHEET P | ILINGS | OTHER | low wood | | (circle one) |
| Channelization YES | NO | (circ | le one) | -,, | <u>.</u> |
| Bank Erosion SLIGHT | MODERATI | E | SEVERE | | (circle one) |
| Logjam or Debris Build-up | YES. | | NO | (circle | one) |
| Physical Obstacle Preventing Access (If YES, describe obstacle) Steep bank | The state of the s | top of hill | NO | '(circle | one) |
| Aquatic Vegetation YES T | NO vegetation | FLOATI | NG | ATTA | CHED (circle one) |
| Sanitary Waste Odor in Water | YES | NO | (circle | one) | H2S |
| Sanitary Debris on Banks | res C | NO | (circle | e one) | |
| Gravel (2n Cobble (10 Boulder (2n Bedrock (2n | | iameter) | 50 | % % % % % | |
| Sediment Color Black | | Sedime | nt Odor | | Septic |
| Oil in Sediment NONE | LIGHT | MODERA | TE | HEAVY | (circle one) |
| Depth of Fines (In feet using 1 inch diame | eter probe) | | 0.4 | | |
| Riparian Land Use GRAS (Visual Observation) URBAN RESIDE URBAN COMMERCIAL/INDUS | | _% _% | FOREST ROW CI | Ϋ́ | % 85% |
| OTHER (Specify) | | - % | | | Remarks on reverse side |

| Additional Remarks | | | |
|--|--------------------|---------|---|
| GPS Coordinates: N 42d 4m 29.8s W 87d 41m 8.6s | | | |
| Downstream of Wilmette pumping station on west (le | ft facing upstrear | n) bank | |
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| Date05 | / 23 / 02 | _ | | Time | | 11:00 |
|--|---------------------------------------|---|----------|------------|-------------|-------------------|
| Assessment Obser | rver Wasik | | | | | |
| Waterbody N | North Shore Cha | innel | | | | |
| CSO Number | 101 | Distance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Locati | on Facing Upstr | ream LEF | T CEN | NTER | RIGHT | (circle one) |
| Channel Habitat | POOL | > RUN | | RIFFLE | | (circle cne) |
| Water Depth (ft) | 9.9 | | Channel | Width (ft) | | 100 |
| Water Level | LOW | NORMAL | HIGH | FLOC | DED | (circle one) |
| Man-made Structur | res DAM | RIPRAP | BR | IDGE | LEVEE | ISLAND |
| | SHEET | PILINGS | OTHER | | cny) | (circle one) |
| Channelization | YES |) ио | (circ | de one) | | |
| Bank Erosion | SLIGHT | MODERAT | E | SEVERE | | (circle ono) |
| Logjam or Debris | Build-up | YES | | NO | (circle | orie) |
| Physical Obstacle (If YES, describe | Preventing Acce obstacle) Steep ba | | ≱₁ | NO | (circle | one) |
| Aquatic Vegetation | | NO is vegetation | FLOATI | ING | ATTAC | CHED (circle one) |
| Sanitary Waste Od | or in Water | YES < | NO | (circle | e one) | |
| Sanitary Debris on | Banks | YES | NO | , (circk | one) | |
| Sediment Composition (Visual Observation | | | | 25 60 | % % % | |
| | Sand (< | 2mm diameter) (2mm to <16mm diam | neter) | | % % | |
| | Boulder | (16mm to <256mm d (>256mm diameter) k or Concrete | iameter) | | . % . % | |
| Sediment Color | Black | | Sedime | nt Odor | | Septic |
| Oil in Sediment | NONE | LIGHT | MODERA | TE | HEAVY | (circle one) |
| Depth of Fines (In f | eet using 1 inch dia | meter probe) | | 0.33 | | |
| Riparian Land Use | GRA URBAN RESI | ASSLAND | _ % | WETLA | | % % |
| URBAN CON | MERCIAL/IND | | % | ROW C | | % |

| Date 05 / | 23 / 02 | | | Time | 1 | 11:10 | |
|--|--|----------------------------------|--------------|---------------------|-----------------------|--------------|------|
| Assessment Observe | er Wasik | = | | | | G. | |
| Waterbody No | rth Shore Channe | | | | | | |
| CSO Number | 101 Dis | stance Below | CSO (ft) | 50 | 200 | (circle one) | |
| Assessment Location | n Facing Upstream | n LEFT | CEN | NTER < | RIGHT | (circle ans) | |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle one) | |
| Water Depth (ft) | 9.9 | | Channel | Width (ft) | | 100 | ., |
| Water Level | LOW C | NORMAL | HIGH | FLOC | DED . | (circle one) | 4 |
| Man-made Structure | s DAM | RIPRAP | BR | IDGE | LEVEE | ISLAI | ND |
| | SHEET PIL | INGS | OTHER | Concret | | (circle one) | |
| Channelization | YES | NO . | (circ | de one) | | | |
| Bank Erosion | SLIGHT | MODERATE | Ξ | SEVERE | | (circle one) | |
| Logjam or Debris E | Build-up | YES | | NO | (circle o | ne) | |
| Physical Obstacle Pi | reventing Access ostacle)_Fence blocks | YES access, concret | e wall prohi | NO bits climbing | (circle o | ne) | |
| Aquatic Vegetation | YES THE STATE OF T | | FLOAT | ING | ATTAC | HED (circle | cne) |
| Sanitary Waste Odo | e ses estate | | NO | (circle | one) | | |
| Sanitary Debris on B | | 1.0 | NO |) (circle | | | |
| Sediment Compostic (Visual Observation) | Clay Silt (Organic) Sludge Sand (<2mm | | notos) | 20 25 | % % % % % | | |
| | Cobble (16n | nm to <256mm d 56mm diameter) | 150 | | % % % | | |
| Sediment Color | Black | | Sedime | ent Odor | | Septic | |
| Oil in Sediment | NONE (| IGHT | MODERA | TE | HEAVY | (circle one) | |
| Depth of Fines (In fee | et using 1 inch diamete | er probe) | | 0.17 | | | |
| Riparian Land Use (Visual Observation) | GRASSI URBAN RESIDEN MERCIAL/INDUST | NTIAL | _% _% | WETLAI FOREST | г _ | 90 % % | |
| UKBAN COM | MICHOLATINDOS | INIAL | 70 | MOVV C | TUPO | 70 | |

| Date | 5/23/02 | | • | | *3" | Time | | 11:15 | |
|--|----------------|---|---|------------|-----------|------------|-----------------|---------|------------------|
| Assessment Obs | erver <u>V</u> | Vasik | | | | | | | |
| Waterbody | North Sho | re Chan | nel | | | | | | |
| CSO Number | 101 | | Distance Bel | ow CSC |) (ft) | 50 | 200 |) (circ | de one) |
| Assessment Loca | ition Facin | g Upstrea | am (L | EFT | CEN | TER | RIGHT | (circ | cle one) |
| Channel Habitat | (F | OOL | RU | N | | RIFFLE | 7. | . (circ | de one) |
| Water Depth (ft) | | 3.1 | | Cha | innel V | Vidth (ft) | | 110 | |
| Water Level | · L | .OW | NORMA | D HI | GH | FLO | ODED | (circ | ale one) |
| Man-made Struct | ures [| DAM | RIPRAP | 0 | BRID | OGE | LEVEE | | ISLAND |
| | S | SHEET P | ILINGS | 0 | THER | wood p | lings | (circ | de one) |
| Channelization | | ES | NO | | (circle | V-F | | * ** | * a ** |
| Bank Erosion | SLIG | HT | MODER | ATE | 5 | SEVERE | | (circ | de ons) |
| Logjam or Debri | s Build-up | | YES | \supset | | NO | (circle | one) | |
| Physical Obstacle | | | YES | F 1 | | NO | (circle | one) | |
| Aquatic Vegetatio | | 'ES ¬ f YES, is | vegetation | | IITAO. | ٧G | ATTAC | HED | (circle one) |
| Sanitary Waste O | dor in Wat | er 🔾 | (ES) | NO |) | (circi | e one) | H2S od | or · |
| Sanitary Debris o | n Banks | . 1 | /ES | ○ NO | \supset | (circ | e one) | | |
| Sediment Compo (Visual Observati | on) C | Plant Deb Clay Silt (Organi Sludge | | Tab. | , | 20 75 | % - % - % | | |
| ÿ | | Gravel (2n | nm diameter) nm to <16mm o 6mm to <256m | | er) | | % - % - % | * | * |
| | E | | 256mm diame | | , | 5 | % % | #c | |
| Sediment Color | | Black | | Se | dimer | nt Odor | | Septio | |
| Oil in Sediment | NON | NE) | LIGHT | MOE | DERAT | ΓE | HEAVY | (cir | cle one) |
| Depth of Fines (In | feet using 1 | inch diame | ter probe) | - | | 0.33 | | | ¥ |
| Riparian Land Us (Visual Observation) | | GRAS N RESIDE | | 30% | | WETLA | | 70 | - <mark>%</mark> |
| URBAN CO | MMERCIA | ALINDUS | STRIAL | % | | ROW C | ROPS | | - % |

| Date 05 / 23 / 0 | 2 | | Time | 11 | : 25 |
|--|--|-----------------------|------------|----------------------------------|-----------------------|
| Assessment Observer | Wasik | | | | |
| Waterbody North Sh | nore Channel | | | | in survey of |
| CSO Number 101 | Distance Be | low CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location Faci | ng Upstream | LEFT CEN | TER | RIGHT | (circle one) |
| Channel Habitat | POOL RU | IN | RIFFLE | | (circle one) |
| Water Depth (ft) | 7.3 | Channel \ | Nidth (ft) | | 110 |
| Water Level | LOW NORMA | HIGH | FLOC | DED | (circle one) |
| Man-made Structures | DAM RIPRAR | P BRII | DGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | | | (circle one) |
| Channelization < | YES NO | (circle | one) | ~ii}) | |
| Bank Erosion SLI | GHT MODER | RATE | SEVERE | | (circle one) |
| Logjam or Debris Build-u | ıp YE | s | NO | (circle one |) |
| Physical Obstacle Prevent (If YES, describe obstacle) | | S SQ | NO | (circle one |) |
| Aquatic Vegetation | YES TO NO. If YES, is vegetation | FLOATII | NG | ATTACH | ED (circle one) |
| Sanitary Waste Odor in W | ater YES | NO | (circle | one) | |
| Sanitary Debris on Banks | YES | NO | (circle | e one) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Sludge Sand (<2mm diameter) Gravel (2mm to <16mm Cobble (16mm to <256n Boulder (>256mm diameter) Bedrock or Concrete | mm diameter) eter) | 25 | % % % . % . % . % | |
| Sediment Color | Black | Sedimer | nt Odor | | Septic |
| Oil in Sediment NO | DNE LIGHT | MODERA ⁻ | ΓE | HEAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diameter probe) | | 2.1 | | |
| Riparian Land Use (Visual Observation) URB/ | GRASSLAND AN RESIDENTIAL | % %. | WETLA! | - | % % |
| URBAN COMMERC | CIAL/INDUSTRIAL | % | ROW C | ROPS _ | % |
| OTHER (Specify) | | % | | Rer | marks on reverse side |

| Additional Remarks | | | |
|----------------------------------|------------------|---|--|
| GPS Coordinates: N 42d 04m 28.4s | , W 87d 41m 8.5s | | |
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| Date 05 / 23 | 702 | | | mile - | | 1.30 | |
|---|----------------------|--|--------------|----------------|--------------------------------------|------------------|---|
| Assessment Observer | Wasik | | | | | | administration of the last of |
| Waterbody North | Shore Channe | l | | | | | |
| CSO Number 10 | 1 Dis | tance Below | CSO (ft) | 50 | 200 | (circle one) | 1 |
| Assessment Location F | acing Upstream | n LEF | CEN | TER < | RIGHT | (circle one | j. |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle one |) - |
| Water Depth (ft) | 1.8 | | Channel V | Vidth (ft) | | 110 | |
| Water Level | LOW | NORMAL | HIGH | FLOC | DED | (circle one |) |
| Man-made Structures | DAM . | RIPRAP | BRID | OGE | LEVEE | ISI | LAND |
| | SHEET PIL | INGS | OTHER | Wood p | oilings | (circle one | ð |
| Channelization | YES | NO | (circle | one) | | | |
| Bank Erosion | SLIGHT < | MODERAT | | SEVERE | | (circle one | 4 : |
| Logjam or Debris Bui | ld-up | YES | | NO | (circle or | 1 0) | |
| Physical Obstacle Prev (if YES, describe obsta | | YES |] | NO | (circle or | ne) | |
| Aquatic Vegetation | YES - | NO | > FLOATII | NG | ATTAC | HED « | circle one) |
| Sanitary Waste Odor in | Water YE | S | NO | (circl | e one) | | |
| Sanitary Debris on Bar | nks YE | s - < | NO | (circl | e one) | | |
| Sediment Compostion (Visual Observation) | Cobbie (16r | n diameter) n to <16mm dian nm to <256mm dianeter) | fiameter) | 25 10 65 | % - % - % - % - % - % | | |
| Sediment Color | Black | | Sedime | nt Odor | | Septic | |
| Oil in Sediment | NONE | LIGHT | MODERA | TE | HEAVY | (circle on | ie) |
| Depth of Fines (In feet | using 1 inch diamete | er probe) | | 1.16 | | | |
| Riparian Land Use (Visual Observation) | GRASS | | % % | WETLA FORES | | 75 % | |
| URBAN COMM | ERCIAL/INDUS | TRIAL | % | ROW C | ROPS | % |) |



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

оғ бата. Снбо. cc: Joe O'Connor 77:11 WY LI NNC 2002 DIR. OF R&D



កំពុសនៃពេលនេះសម្រាប់

Giorgia H. Ryan, Governor - Brent Manning Director

DIR. OF R &

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: 5-6-0 2

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

FOR DEPARTMENT USE ONLY
PROJCODE: 6203114 DUE DATE: 5-12-0 2

| Applicant: MWRDGC | Phone: 312-751-5600 |
|--|---------------------|
| Contact Person: Richard hanvon | Fax: |
| Contact Person: Richard hanyon Applicant Address: 100 East Enie Street | Email: |
| " Chicago, IL 60611-3154 | |
| | |
| LOCATION OF PROPOSED ACTION | |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED | |
| Project Name: NPDES # ILOG 2808 & Discharge#101 County: Cook | |
| Project Address (if available): | |
| City, State, Zip: | |
| Township/Range/Section (e.g. T45N,R9E,S2): TH2N RI3E Sec. 35 | |
| Brief Description of Proposed Action: | |
| Bitel 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. | |
| | |
| Tanka Amerika Britan Britanian TEPA | |
| Local/State Agency with Project Jurisdiction: | Dhone: |
| Contact: | Phone:Fax: |
| Address. | Email: |
| | 1.6.1 MMA: |
| | |
| | |
| FOR DEPARTM | ENT USE ONLY |
| | |
| Are endangered/threatened species or Natural Areas present in the vicinity | |
| Could the proposed action adversely affect the endangered/threatened speci | |
| Is consultation terminated? | Ye INo] |
| Comments: | |
| | |
| | |
| Evaluated by: | 7-2-02 |
| Signature on file | Date 6-3-02 |
| | 6 |
| Division of Resource Review & Coordination (217)785-5500 | |



IN REPLY REFER TO

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)



June 10, 2002

FWS/AES-CIFO (T930)

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.

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

| Name of Responding Organization: | U.S. Fish + Wild life Service |
|--|--|
| Name of Person Responding: | Shawn Cirton |
| Address: | 1250 5. Grove Av., Suite 103 |
| | Barrington, IL 60010 |
| Telephone Number: | 847-381-2253 xt 236 Signature on file |
| Signature of respondent: | _Signature on file |
| • | NPDES Permit Number IL0028088 Discharge Number 101 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not \(\square fall \) categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the e | enclosed documentation: |
| (Supply supporting documentation provided below or on additional po | for each category and reference the source in the space ages) |
| | |
| | |
| | |
| | |
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| | |
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AIX-14

| Name of Responding Organization | : Illinois EPA |
|--|---|
| Name of Person Responding: | Robert Mosher |
| Address: | see com / era letter |
| | |
| | |
| Telephone Number: | |
| Signature of respondent: | Signature on file |
| Subject: | NPDES Permit Number IL0028088 Discharge Number 101 |
| We have examined our records an within one or more of the following | d determined that the subject discharge does/ docs not fall ag categories of sensitive areas: |
| (Circle all categories that | apply) |
| Designated Outstandin | g National Resource Waters |
| 2 National Marine Sanct | uaries |
| 3. Waters with threatened | d or endangered species and their habitat |
| 4. Shellfish beds | |
| Waters with primary c | ontact recreation |
| 6 Public drinking water | intakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| provided below or on additional | |
| Se copy of con | eletty |
| Latze Michigan is | a disignated public water supply |
| | |
| and the second s | |
| | |

AIX-15

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 autidegradation 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

OF GRTR. CHGO.

Attachment

DIR. OF R&D ZOOZ MAY 17 PM 1: 52

| 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. |
| | NPDES Permit Number IL0028088 Discharge Number 101 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| 6. Public drinking water in | atakes or their designated protection areas |
| Our determination is based on the e | enclosed documentation: |
| (Supply supporting documentation provided below or on additional per | n for each category and reference the source in the space ages) |
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| | AIX-17 |

| 50 | and the same of th |
|--|--|
| Name of Responding Organization: | Villag of Wilmetle |
| Name of Person Responding: | Brigitte Mayerhofer |
| Address: | 1200 Wilmette Avenue |
| | Wilmette, IL 60091 |
| | |
| | |
| Telephone Number: | (847) 853-7627 |
| Signature of respondent: | _Signature on file |
| | 0 |
| | NPDES Permit Number IL0028088 Discharge Number 101 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| Designated Outstanding | National Resource Waters |
| 2) National Marine Sanctu | aries |
| 3 Waters with threatened | or endangered species and their habitat |
| (4.) Shellfish beds | x * 2 |
| (5) Waters with primary co | ntact recreation |
| 3 | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
| 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2 | |
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| | AIX-18 |

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.

| Date U5/ | 23 / 02 | | Time | 11 | : 50 |
|--|---|---|------------------|----------------------------|----------------|
| Assessment Observe | er Wasik | • | | | |
| Waterbody No. | rth Shore Channel | | | | |
| CSO Number1 | Distar | nce Below CSO (| ft) 50 | 200 | (circle one) |
| Assessment Location | Facing Upstream | LEFT O | ENTER | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | RIFFLE | | (circle one) |
| Water Depth (ft) | 2.3 | Chann | el Width (ft) | | 78 |
| Water Level | LOW NO | DRMAL HIGH | f FLOO | DDED | (circle one) |
| Man-made Structures | DAM R | IPRAP E | BRIDGE | LEVEE | ISLAND |
| | SHEET PILING | S OTH | | ecny) | (circle one) |
| Channelization | YES | NO | (circle one) | | |
| Bank Erosion | SLIGHT M | ODERATE | SEVERE | > 100 | (circle one) |
| Logjam or Debris B | uild-up | YES C | NO | (circle one) | |
| Physical Obstacle Pre (If YES, describe obs | - ' | YES 🗐 | NO | (circle one) | |
| Aquatic Vegetation | YES 🧻 🤇 | NO FLOA | TING | ATTACHE | D (circle one) |
| Sanitary Waste Odor | in Water YES | NO |) (circle | one) | |
| Sanitary Debris on Ba | nks YES | NO | (circle | one) | |
| Sediment Compostion (Visual Observation) | Clay Silt (Organic) Sludge Sand (<2mm diam Gravel (2mm to < | 16mm diameter) <256mm diameter) n diameter) | 45 50 5 | % % % % % % | |
| Sediment Color | Black | Sedin | nent Odor | Se | ptic |
| Oil in Sediment | NONE LIGH | T MODER | ATE | HEAVY | (circle one) |
| Depth of Fines (In feet to | ising 1 inch diameter prob | pe) | 0.5 | | |
| Riparian Land Use (Visual Observation) | GRASSLANI RBAN RESIDENTIA | | WETLAN FOREST | | |
| | ERCIAL/INDUSTRIA | | ROW CR | | <u></u> % |

| Additional | Remarks | | | | | |
|---|--|---------------|---|--|---|--|
| GPS Coordinates N 42d 03m 31.2s W 87d 41m 43.4s | | | | | | |
| Downstrea | ım Green Bay I | Rd. West Bank | | | | |
| | , | | | | - Alan Alan Alan Alan Alan Alan Alan Alan | |
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| | CAN AND THE PROPERTY OF THE PR | | • | | | |
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| - | anggari tama kera a Penjinananakan a menggapi dalah Pilah Afam | | | | | |
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| | | | | | | |

| Date 05 / 23 / | 02 | Time | | 12:05 |
|---|---|--|-----------------|------------------------|
| Assessment Observer | Wasik | 3 0 0 | 7)*-1 20 | 1 |
| Waterbody North | Shore Channel | * | | |
| CSO Number 102 | Distance Below | w CSO (ft) 50 | 200 | (circle one) |
| Assessment Location Fa | acing Upstream LE | FT CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL RUN | RIFFL | E | (circle one) |
| Water Depth (ft) | 5.4 | Channel Width (f | t) | 78 |
| Water Level | LOW NORMAL | HIGH FLO | OODED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | 105 | (circle one) |
| Channelization (| YES NO | (circle one) | specify) | 2, |
| Bank Erosion SI | LIGHT MODERA | TE SEVER | Ė | (circle one) |
| Logjam or Debris Build | l-up YES | NO |) (circle o | one) |
| Physical Obstacle Preve (If YES, describe obstacle | | ₹ NO | (circle o | one) |
| Aquatic Vegetation | YES NO | FLOATING | ATTAC | HED (circle one) |
| Sanitary Waste Odor in \ | Water YES C | NO (d | rcle one) | 6.1 |
| Sanitary Debris on Bank | s YES | NO (e | rde one) | 100 |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm diameter) | 70 5 | % - % - % | |
| The E | Gravel (2mm to <16mm dia | The state of the s | % | 12 |
| | Cobble (16mm to <256mm Boulder (>256mm diameter | | - % % | - est |
| . * | Bedrock or Concrete | · | _ % | |
| Sediment Color | Black | Sediment Odor | • | Septic |
| Oil in Sediment | IONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet usin | g 1 Inch diameter probe) | 2.48 | | |
| Riparian Land Use | GRASSLAND | % WETL | AND | % |
| | BAN RESIDENTIAL | % FORES | | % |
| URBAN COMMER | CIAL/INDUSTRIAL | % ROW (| CROPS | % |
| OTHER (Specify) | | % | R | emarks on reverse side |

| Date 05 / 23 / | 02 | | Time | 12 : | 10 |
|--|---|---------------|------------|--------------|----------------|
| Assessment Observer | Wasik | | | | |
| Waterbody North S | Shore Channel | | | | |
| CSO Number 102 | Distance Be | elow CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location Fa | cing Upstream | LEFT CEN | NTER R | IGHT | (circle one) |
| Channel Habitat C | POOL RU | JN | RIFFLE | | (circle one) |
| Water Depth (ft) | 2.7 | Channel | Width (ft) | 78 | В |
| Water Level | LOW NORMA | HIGH | FLOOD | ED | (circle one) |
| Man-made Structures | DAM RIPRA | P BRI | DGE LE | EVEE | ISLAND |
| | SHEET PILINGS | OTHER | (Speciny | | (circle one) |
| Channelization | YES NO | (circl | le one) | • | |
| Bank Erosion SL | IGHT MODE | RATE C | SEVERE | | (circle one) |
| Logjam or Debris Build- | up YE | \leq | NO | (circle one) | |
| Physical Obstacle Prever (If YES, describe obstacle | | S | NO | (circle one) | |
| Aquatic Vegetation | YES NO | FLOATI | NG | ATTACHE | O (circle one) |
| Sanitary Waste Odor in V | | NO | (circle on | e) | |
| Sanitary Debris on Banks | | NO | (circle on | e) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay | | 10 | % | |
| | Silt (Organic) | | 20 | % | |
| | Sludge | | 70 | % | |
| | Sand (<2mm diameter) Gravel (2mm to <16mm | diameter) | | % | |
| | Cobble (16mm to <256n | | | % | |
| | Boulder (>256mm diame | • | | % | |
| | Bedrock or Concrete | | | % | |
| Sediment Color | Black | Sedimer | nt Odor | Sep | otic |
| Oil in Sediment N | ONE LIGHT | MODERA | TE H | EAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diameter probe) | | 1.39 | | |
| Riparian Land Use | | 15 % | WETLAND | | % |
| | AN RESIDENTIAL | <u></u> % | FOREST | 8 | 5% |
| URBAN COMMER | CIAL/INDUSTRIAL | % | ROW CRO | PS | % |

| Date 05 / 23 / 02 | Time 12:15 |
|--|-----------------------------------|
| Assessment Observer Wasik | |
| Waterbody North Shore Channel | |
| CSO Number 102 Distance Below CSO (ft) | (circle one) |
| Assessment Location Facing Upstream LEFT CI | ENTER RIGHT (circle one) |
| Channel Habitat POOL RUN | RIFFLE (circle one) |
| Water Depth (ft) 2.3 Channel | el Width (ft)80 |
| Water Level LOW NORMAL HIGH | FLOODED (circle one) |
| Man-made Structures DAM RIPRAP BI | RIDGE LEVEE ISLAND |
| SHEET PILINGS OTHE | R Wood pilings – low and sporadic |
| Channelization YES NO (c | circle one) |
| Bank Erosion SLIGHT MODERATE | SEVERE (circle one) |
| Logjam or Debris Build-up YES | NO (circle one) |
| Physical Obstacle Preventing Access (If YES, describe obstacle) Fence | NO (circle one) |
| Aquatic Vegetation YES NO If YES, is vegetation FLOAT Sanitary Waste Odor in Water YES NO | TING ATTACHED (circle one) |
| Sanitary Debris on Banks YES NO | (circle one) |
| Sediment Compostion Plant Debris Clay Silt (Organic) Sludge Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete | |
| | % ent Odor Septic |
| Oil in Sediment NONE LIGHT MODERA | ATE HEALOG |
| Depth of Fines (In feet using 1 inch diameter probe) | (and or or |
| Riparian Land Use GRASSLAND 10 % (Visual Observation) URBAN RESIDENTIAL % | 2.15 WETLAND |
| URBAN COMMERCIAL/INDUSTRIAL % | ROW CROPS % |

| Additional Remarks | | | | | | |
|---|--|--|--|--|--|--|
| GPS Coordinates N 42d 03m 31.2s W 87d 41m 44.5s | | | | | | |
| Cross section samples taken just up | stream of a storm sewer outfall, 10ft. Downstream of | | | | | |
| another CSO. | | | | | | |
| • | | | | | | |
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| Page 1 | | | | | | |
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| Date 05/2 | 3702 | 19 | Time | 12 | 2:18 |
|---|--|---|------------------|--------------|-----------------|
| Assessment Observer | Wasik | | | | |
| Waterbody Nort | h Shore Channel | | | | |
| CSO Number 10 | 2 Dista | nce Below CS | O (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 | Ch | annel Width (ft) |) | 80 |
| Water Level | LOW (N | ORMAL H | IGH FLO | ODED | (circle one) |
| Man-made Structures | DAM F | RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PILING | gs c | THER | Sacity) | (circle one) |
| Channelization | YES | NO · | (circle one) | Jacky) | 12 |
| Bank Erosion | SLIGHT N | ODERATE | SEVERE | | (circle one) |
| Logjam or Debris Bui | ild-up | YES | NO | (circle one) | * 14 |
| Physical Obstacle Prev (If YES, describe obsta | | YES 5 | NO | (circle one) | |
| Aquatic Vegetation | YES 🧊 🤇 | NO Fatation F | LOATING | ATTACHI | ED (circle one) |
| Sanitary Waste Odor in | Water YES | N | O (circ | de one) | |
| Sanitary Debris on Ban | iks YES | N | O (circ | le one) | 18 12 12 18 |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) | * * * | 50 | - % - % | |
| | Sludge | office Out of the | 10. | - % | |
| | Sand (<2mm dia | | | % | 1 |
| A 2 | Gravel (2mm to Cobble (16mm to | | | - % | |
| | Boulder (>256m | m diameter) | 4 | % | |
| | Bedrock or Co | ncrete | | - % | |
| Sediment Color | Black | · S | ediment Odor | Se | eptic |
| Oil in Sediment | NONE LIGH | HT MOI | DERATE | HEAVY | (circle one) |
| Depth of Fines (In feet us | sing 1 inch diameter pro | obe) | 2.5 | | ±1 |
| Riparian Land Use (Visual Observation) UF | GRASSLAN RBAN RESIDENTIA | | | | % % |
| URBAN COMME | RCIAL/INDUSTRIA | *************************************** | | | % |

| Date | 05 / 23 / 02 | | | I-ime | | 12:20 |
|--|------------------|--|--------------|-----------------|-------------|------------------|
| Assessment Obs | erver Wasik | | | | , | |
| Waterbody | North Shore C | nannel | , | | | |
| CSO Number | 102 | Distance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Loca | ation Facing Up | stream LEF | T CEN | ITER < | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | .* | RIFFLE | | (circle one) |
| Water Depth (ft) | 2.1 | | Channel \ | Vidth (ft) | | 80 |
| Water Level | LOW | NORMAL | HIGH | FLOC | DDED | (circle one) |
| Man-made Struct | tures DAM | RIPRAP | BRI | DGE | LEVEE | ISLAND |
| | SHEE | T PILINGS | OTHER | | ecny) | (circle one) |
| Channelization | YES | ON NO | (circle | e one) | | |
| Bank Erosion | SLIGHT | MODERAT | TE 🤇 | SEVERE | > | (ctrcle one) |
| Logjam or Debri | s Build-up | YES | | NO | (circle o | ne) |
| Physical Obstacle (If YES, describ | e Preventing Ac | | 7 < | NO | (circle o | ne) |
| Aquatic Vegetation | | NO NO s, is vegetation | FLOATII | NG | ATTAC | HED (circle one) |
| Sanitary Waste C | dor in Water | YES < | NO. | (circle | one) | |
| Sanitary Debris o | n Banks | YES < | NO | (circle | one) | |
| Sediment Compo (Visual Observation | clay | Debris | : | 20 | % % | |
| | Silt (o Sludg | | | | . % % | |
| | * | (<2mm diameter) | | | % | |
| | | l (2mm to <16mm dia | | | % | |
| | | e (16mm to <256mm | | | . % | |
| | | er (>256mm diameter ock or Concrete |) . | | . % % | |
| Sediment Color | Blac | | Sedimer | at Odor | • | Septic |
| Oil in Sediment | NONE | LIGHT | MODERA | | HEAVY | |
| Depth of Fines (In | | | MODERA | 0.66 | | (circle one) |
| | | | 0/ | | | |
| Riparian Land Us (Visual Observation) | SE URBAN RES | RASSLAND 10 SIDENTIAL | [%] | WETLAN FORES | | 90 % |
| URBAN CO | OMMERCIAL/IN | | — % | ROW CI | _ | % |

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

DIR. OF R & D

2002 JUN IT AM II: 44, Loudoo, O aof :00

M. W. R. D.

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George H. Ryan. Sciencer - 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: 5-10-02
If this is a resubmittal, include previous IDNR response if available.

FOR DEPARTMENT USE ONLY
PROJCODE: 0 20332 DUE DATE: 6-9-02

| Applicant: MWRDGC | Phone: 31 2-75 | 1-5600 |
|---|---|--|
| Contact Person: Richard Langen Applicant Address: 100 E. Eriz Stract | Fax: | |
| Applicant Address: 100 E. Enix Strant | Email: | |
| "Chicago IL 60611-3154 | | |
| | | |
| LOCATION OF PR | OPOSED ACTION | |
| A MAP SHOWING LOCATION OF PROI | | |
| Project Name: NPDES # ILOO28088 Out | rall#102 County: C | o K |
| Project Address (if available): | | |
| City State Zin: Cin ica co | | |
| Township/Range/Section (e.g. T45N,R9E,S2): | 3E Sac12 | Annual Control of the |
| Brief Description of Proposed Action: Sansitiva Ana | LA Evaluation | |
| | | |
| Projected Start Date and End Date of Proposed Action: | | |
| Trojected State Date and Este Of Proposed Section. | | |
| Will state funds or technical assistance support this action? [Yes 180] I | f Yes, the Interagency Wetland Po | licy Act may apply. |
| | Contact funding agency or this Divi | |
| | | |
| Local/State Agency with Project Jurisdiction: | Pannite | |
| Contact: Unknown | Phone: | |
| Address: | | |
| | Email: | |
| | | |
| | | |
| EOD DED ADTA | CONTRACTOR CONTRACT | |
| TOR DEPARTMENT | IENT USE ONLY | |
| FOR DEPARTM | IENT USE UNLY | |
| Are endangered/threatened species or Natural Areas present in the vicinity | of the action? | [Yes ISTO] |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened species. | of the action? | [Yes 550] [Yes 557] |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened species consultation terminated? | of the action? | |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened species. | of the action? | [Yes 057] |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened species consultation terminated? | of the action? | [Yes 057] |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened spec Is consultation terminated? Comments: | of the action? | [Yes 057] |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened spec Is consultation terminated? Comments: | of the action? ties or Natural Area? | [Yes Qo] |
| Are endangered/threatened species or Natural Areas present in the vicinity Could the proposed action adversely affect the endangered/threatened species consultation terminated? | of the action? ties or Natural Area? | [Yes 057] |



IN REPLY REFER TO

U.S. FISH AND WILDLIFE SERVICE

United States Department of the Interior

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



June 10, 2002

FWS/AES-CIFO (T933)

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.

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

Sincerely,

Signature on file

Pohn D. Rogner Field Supervisor

| · · | |
|--|---|
| Name of Responding Organization: | |
| Name of Person Responding: | Shown Cirton |
| Address: | 1250 S. Grove Av., Suite 103 |
| | Barrington, IL 60010 |
| | |
| Telephone Number: | 847-381-2253x+236 |
| Signature of respondent: | _Signature on file |
| | |
| | NPDES Permit Number IL0028088 Discharge Number 102 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not / fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| (3.) Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | • |
| 5. Waters with primary co | ntact recreation |
| | ntakes or their designated protection areas |
| o. I done drinking water it | maxes of their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional po | n for each category and reference the source in the space |
| provided below or on additional pr | *800) |
| | |
| | |
| | |
| | |
| | |
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| | |

AX-14

| 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 an within one or more of the following | d determined that the subject discharge does/ does not fall ng categories of sensitive areas: |
| (Circle all categories that | apply) |
| Designated Outstandir | ng National Resource Waters |
| 2 National Marine Sanc | tuaries |
| 3. Waters with threatened | d or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary of | contact recreation |
| 6.) Public drinking water | intakes or their designated protection areas |
| Our determination is based on the | e enclosed documentation: |
| (Supply supporting documentati provided below or on additional | on for each category and reference the source in the space pages) |
| See attached | ropy of previous 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 Poliution 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 GRIR. CHGO.

DIR. OF R & D 2002 MAY 21 AM II: 37

GEORGE ANT ROAM, GOVERNOR

| Name of Responding Organiza | tion: CITY OF EVANSTON |
|---|---|
| Name of Person Responding: | RICHARD J. FIGURELLI |
| A 42 | |
| Address: | 555 LINCOLN ST. |
| | EVANSTON, IL. 60201 |
| ξ. | |
| Telephone Number: | (847) 866-2942 |
| Signature of respondent: | Signature on file |
| Subje | ect: NPDES Permit Number IL0028088 Discharge Number 102 |
| We have examined our records within one or more of the follow | s and determined that the subject discharge does_/ does not / fall owing categories of sensitive areas: |
| (Circle all categories t | hat apply) |
| 1. Designated Outstar | nding National Resource Waters |
| 2. National Marine Sa | anctuaries |
| 3. Waters with threate | ened or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primar | ry contact recreation |
| 6. Public drinking wa | tter intakes or their designated protection areas |
| Our determination is based on | the enclosed documentation: |
| (Supply supporting document provided below or on addition | tation for each category and reference the source in the space |
| | |
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AX-17

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.

| Date 05 / 23 | / 02 | | | Time | | 12:30 |
|---|--|--|------------|----------------------------|----------------------------|------------------------|
| Assessment Observer | Wasik | | | | | |
| Waterbody North | Shore Channel | | | | | |
| CSO Number 103 | 3 Distan | ce Below C | SO (ft) | 50 | 200 | (circle one) |
| Assessment Location F | acing Upstream | LEFT | CEN. | TER | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | 1 | RIFFLE | | (circle one) |
| Water Depth (ft) | 0.76 | | hannel V | vidth (ft) | | 125 |
| Water Level | LOW NO | DRMAL | HIGH | FLOO | DED | (circle one) |
| Man-made Structures | DAM RI | PRAP | BRID | GE | LEVEE | ISLAND |
| | SHEET PILING | S | OTHER | (Spec | 201 | (circle one) |
| Channelization | YES | NO | (circle | | 27 | |
| Bank Erosion S | SLIGHT MO | ODERATE | S | EVERE | | (circle one) |
| Logjam or Debris Buil | d-up | YES | | NO | (circle or | ne) |
| Physical Obstacle Prev (If YES, describe obsta | - | YES. | Fen | NO œ | (circle o | ne) |
| Aquatic Vegetation | YES 🥣 C | NO | FLOATIN | IG | ATTAC | HED (circle one) |
| Sanitary Waste Odor in | Water YES | | NO | (circle | one) | |
| Sanitary Debris on Ban | ks YES | | NO | (circle | one) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm diam Gravel (2mm to < Cobble (16mm to Boulder (>256mm Bedrock or Con | 16mm diameter <256mm diameter) crete | neter) _ | 15 15 70 | % % % % % % | |
| Sediment Color | Dark gray | | Sediment | Odor | Lig | ht septic |
| Oil in Sediment | NONE LIGH | T MO | ODERAT | Ē | HEAVY | (circle one) |
| Depth of Fines (in feet us | ing 1 inch diameter prob | be) | | 0.26 | | |
| URBAN COMME | GRASSLANI RBAN RESIDENTIA RCIAL/INDUSTRIA | L | % ! % ! | WETLAN FOREST ROW CR | _ | % 60 % % |
| OTHER (Specify) | | | % | | Re | emarks on reverse side |

| Downstream of Emers | on St on eac | t hank | | | | |
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| Date 05 / 23 / 0 | 02 | Time | 12 | : 55 |
|--|--|--------------------|--|----------------------|
| Assessment Observer | Wasik | | | |
| Waterbody North S | hore Channel | | | |
| CSO Number 103 | Distance Belov | v CSO (ft) 50 | 200 | (circle one) |
| Assessment Location Fac | ing Upstream LE | FT CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL RUN | RIFFLE | | (circle one) |
| Water Depth (ft) | 9 | Channel Width (ft) | | 25 |
| Water Level | LOW NORMAL | HIGH FLOO | DDED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | ecity) | (circle one) |
| Channelization C | YES NO | (circle one) | | |
| Bank Erosion SLI | GHT MODERA | TE SEVERE | | (circle one) |
| Logjam or Debris Build- | up YES | NO | (circle one) | |
| Physical Obstacle Preven (If YES, describe obstacle | | NO NO | (circle one) | |
| Aquatic Vegetation | YES NO | FLOATING | ATTACH | ED (circle one) |
| Sanitary Waste Odor in W | later YES | NO (circl | e one) | |
| Sanitary Debris on Banks | YES | NO (circl | e one) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sludge Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm Boulder (>256mm diameter) | diameter) | - % - % - % - % - % - % | |
| Sediment Color | Black | Sediment Odor | Very | Septic |
| Oil in Sediment NO | ONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diameter probe) | 1.98 | | |
| | GRASSLANDAN RESIDENTIAL | % WETLA FORES | т | % % |
| URBAN COMMERC | SIALINDUS I RIAL | % ROW C | | % |
| OTHER (Specify) | | % | Ren | arks on reverse side |

| Time | 1:00 |
|-------------------------------------|---|
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| | |
| w CSO (ft) 50 | 200 (circle orie) |
| FT CENTER < | RIGHT (circle one) |
| RIFFLE | (circle one) |
| Channel Width (ft) | 125 |
| HIGH FLOO | DED (circle one) |
| BRIDGE | LEVEE ISLAND |
| OTHER | (circle one) |
| (circle one) | |
| SEVERE | (circle one) |
| NO | (circle one) |
| NO NO | (circle one) |
| FLOATING | ATTACHED (circle one) |
| NO (circle | one) |
| NO (circle | one) |
| 10 60 iameter) an diameter) er) | % % % % % % |
| Sediment Odor | Septic |
| MODERATE | HEAVY (circle ane) |
| 0.73 | |
| % FORES | 100 % |
| % ********************************* | Remarks on reverse side |
| | RIFFLE Channel Width (ft) HIGH FLOCE BRIDGE OTHER (circle one) NO FLOATING NO (circle NO NO Sediment Odor MODERATE 0.73 % WETLAN % FORES % ROW CI |

| Date | 15 1 23 1 | 02 | | | | Time | | 1:04 | |
|--|------------|-------------------------------|--|-------------------------------------|----------------|----------------|---------------------------------|-----------------|--------------------|
| Assessment Obs | erver | Wasik | | | | | | | |
| Waterbody | North S | hore Cha | nnel | | | | | | |
| CSO Number | 103 | | Distanc | ce Below | CSO (| ft) 50 | 200 |) (cir | cle one) |
| Assessment Loca | ation Fac | ing Upst | ream | LEF | | CENTER | RIGHT | (cir | cle one) |
| Channel Habitat | | POOL | > | RUN | | RIFFL | .E | (cir | cle one) |
| Water Depth (ft) | | 1.32 | | | Chanr | nel Width (| (ft) | 125 | |
| Water Level | | LOW | NO | RMAL | HIGH | H FL | OODED | (cín | cle one) |
| Man-made Struct | ures | DAM | RII | PRAP | | BRIDGE | LEVEE | | ISLAND |
| | | SHEET | PILING | S | ОТН | | (Specify) | (cin | cle one) |
| Channelization | < | YES | > | NO | | (circle one) | (Specify) | | • |
| Bank Erosion | SL | GHT | MC | DERATE | = | SEVER | | (circ | cle one) |
| Logjam or Debri | s Build- | up | | YES | (| NO |) (circle | e one) | |
| Physical Obstacle (If YES, describ | | T. | ess C | YES | 7 1 | NO Fence | (circle | e one) | |
| Aquatic Vegetatio | n · | YES = | is vegeta | NO | FLO | ATING | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in W | /ater | YES | | NO | > | circle one) | | |
| Sanitary Debris o | n Banks | | YES | | NO | | circle one) | | |
| Sediment Compo (Visual Observati | | Gravel (Cobble Boulder | anic) 2mm diam 2mm to <1 (16mm to | 16mm diam <256mm di diameter) | | 10 10 80 | % % % % % % % | | |
| Sediment Color | | Dark gra | у | _ | Sedi | ment Odo | | no | |
| Oil in Sediment | NO | ONE | LIGH | Т 1 | MODE | RATE | HEAVY | (cir | cle one) |
| Depth of Fines (In | feet using | 1 inch diar | neter prob | e) | | 0.66 | 3 | | |
| Riparian Land Us (Visual Observation) URBAN CO | URB | AN RESI | | | _% _% _% | FORE | | 50 | -% -% |
| OTHER | | | JO I KIA | | - % % | NOW | UNUFO | Remarks on | 70 reverse side |
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| Additional Remarks | | | | | | |
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| GPS Coordinates: N 42 | d 03m 3.3s W 8 | 37d 42m 32 | 9s | | | |
| Sampled just upstream | from small gree | en run-off o | utfall | | | |
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| Date 05 / 23 / 02 | | Time | | 1:08 |
|--|--|--------------------|-----------------------|-------------------------|
| Assessment Observer Wasil | () | | | |
| Waterbody North Shore C | hannel | | | |
| CSO Number 103 | Distance Below | CSO (ft) 50 | 200 | (circle one) |
| Assessment Location Facing Up | stream LEFT | CENTER | RIGHT | (circle one) |
| Channel Habitat POOI | RUN | RIFFLE | | (circle one) |
| Water Depth (ft) 5.6 | | Channel Width (ft) | | 125 |
| Water Level LOW | NORMAL | HIGH FLOO | DDED | (circle one) |
| Man-made Structures DAM | RIPRAP | BRIDGE | LEVEE | ISLAND |
| SHEE | T PILINGS | OTHER | sciry) | (circle one) |
| Channelization YES | > мо | (circle one) | , soily) | |
| Bank Erosion SLIGHT | MODERATE | SEVERE | | (circle one) |
| Logjam or Debris Build-up | YES | NO | (circle o | one) |
| Physical Obstacle Preventing Ac (If YES, describe obstacle) Fence | | ₹, NO | (circle d | one) |
| Aquatic Vegetation YES | NO | FLOATING | ATTAC | HED (circle one) |
| Sanitary Waste Odor in Water | YES < | NO (circle | a one) | |
| Sanitary Debris on Banks | YES | NO (circle | a one) | |
| (Visual Observation) Clay Silt (O Sludg Sand Grave Cobb | Debris rganic) e (<2mm diameter) el (2mm to <16mm diameter) el (16mm to <256mm diameter) er (>256mm diameter) | | % % % % % | |
| Sediment Color Blac | k | Sediment Odor | | Septic |
| Oil in Sediment NONE | LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet using 1 inch of | liameter probe) | 0.33 | | |
| | RASSLAND | _% WETLAI | ND _ | % |
| (Visual Observation) URBAN RE | Control of the Contro | % FORES | - | % |
| URBAN COMMERCIAL/IN | DUSTRIAL | _% ROW CI | ROPS _ | % |
| OTHER (Specify) | | _% | F | lemarks on reverse side |

| Date | 15/23/0 | 12 | - | | | Time | | 1:12 | |
|--|--------------|--------------------|-------------------|---------------------|-------------|----------------------|---------------------------------|-----------------|--|
| Assessment Obs | erver | Wasik | | | | | | | |
| Waterbody | North St | ore Cha | nnel | | | | | | |
| CSO Number | 103 | | Distance | Below | CSO (f | f) 50 | 200 |) (circle or | 10) |
| Assessment Loca | ation Faci | ing Upstr | eam | LEF | г с | ENTER (| RIGHT |) (circle or | ne) |
| Channel Habitat | | POOL | > - | RUN | | RIFFL | E . | (circle o | nė) |
| Water Depth (ft) | | 1.58 | | | Chanr | iel Width (| ft) | 125 | And a second or a second or department |
| Water Level | | FOM | NOR | MAL | HIGH | f FL | OODED | (circle o | ne) |
| Man-made Struc | tures | DAM | RIPE | RAP | E | BRIDGE | LEVEE | 15 | SLAND |
| | _ | SHEET | PILINGS | | OTH | | (Specify) | (circle or | ne) |
| Channelization | | YES | > | NO | | (circle one) | ., | | |
| Bank Erosion | SLI | GHT | < MOD | ERATE | | SEVER | RE | (circle o | ne) |
| Logjam or Debr | is Build-ı | 1b | • | YES | (| NO |) (circle | e one) | |
| Physical Obstacl | | • | | YES | | NO | (circle | e one) | organis (national page and pag |
| Aquatic Vegetation | on | YES = | is vegetati | NO on | FLO/ | ATING | ATTA | CHED | (circle one) |
| Sanitary Waste 0 | Odor in W | ater | YES | | NO | > « | circle one) | | |
| Sanitary Debris of | n Banks | | YES | | NO | | circle one) | | |
| Sediment Compo (Visual Observa | | Gravel (Cobble | | mm diam 256mm di | • | 30 20 25 25 | % % % % % % % | | |
| Sediment Color | - | Black | | | Sedi | ment Odo | · | Septic/oil | |
| Oil in Sediment | NC | DNE | LIGHT | | MODE | RATE | HEAVY | (circle o | ne). |
| Depth of Fines (I | n feet using | 1 inch dia | meter probe) | | | 3 | | | |
| Riparian Land Us (Visual Observation) | URBA | AN RESI | SSLAND DENTIAL | | _% _% | WETL FORE | ST | 100 9 | 6 6 |
| URBAN CO | | IAL/IND | USTRIAL | | % | ROW | CROPS | 9 | 6 |
| OTHER | (Specify) | | | | % | | | Remarks on reve | arse side |



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

525-535 West Jefferson Street . Springfield, Illinois

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

оь свтв. снео. cc: Joe O'Connor

DIR: 0F R & D



http://dnr.state.li.us

Goorge H. Ryan, Sovernor - Brent Manning, Execus-

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 | Phone: 312-751-5600 |
|--|---------------------|
| Contact Person: Richard Lanyon | Fax: |
| Applicant Address: 100 E. Enia Stract | Email: |
| Chicago, Th 60611 | |
| | |
| LOCATION OF PROPOSED ACTION | |
| A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED | |
| Project Name: NPDFS#TL0028088 Outfall 103 County: Cook | |
| Project Address (if available): City, State, Zip: Chicaaa | |
| Township/Range/Section (e.g. T45N,R9E,S2): 41N 13E 5 c 13 | |
| Brief Description of Proposed Action: Sensitive and evaluation | |
| | |
| | |
| Projected Start Date and End Date of Proposed Action: | |
| | |
| Will state funds or technical assistance support this action? [Yes 1] If Yes, the Interagency Wetland Policy Act may apply. | |
| Contact funding agency or this Division for details. | |
| | |
| Local/State Agency with Project Jurisdiction: TEPA/BO | W/ Penmits |
| Contact: Nukhown | Phone: |
| Address: | Fax: |
| · ' | Email: |
| | |
| | |
| FOR DEPARTMEN | T USE ONLY |
| | |
| Are endangered/threatened species or Natural Areas present in the vicinity of the | |
| Could the proposed action adversely affect the endangered/threatened species of | |
| Is consultation terminated? | [CEINO] |
| Comments: | |
| | |
| Evaluated by: | |
| Signature on file— | Date 6-5-02 |
| | |
| Division of Resource Review & Coordination (217)785-5500 | |



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)

United States Department of the Interior



June 24, 2002

FWS/AES-CIFO (T972)

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 GRIRL CHGO.

2007 70F -E W 3 33

DIR. OF R & D

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

| Name of Responding Organization | U.S. Fish + Wild life Service |
|--|--|
| Name of Person Responding: | Shawn Cirton |
| Address: | 1250 5- Grove Ave Suite 103 |
| <u>.</u> | Barrington, IL 60010 |
| | J |
| Telephone Number: | 847-381-2253 |
| Signature of respondent: | |
| | |
| | NPDES Permit Number IL0028088 Discharge Number 103 |
| We have examined our records and within one or more of the following | d determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that | apply) |
| 1. Designated Outstanding | g National Resource Waters |
| 2. National Marine Sancto | uaries |
| Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| Waters with primary co | ontact recreation |
| Public drinking water i | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | on for each category and reference the source in the space oages) |
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AXI-14

| Name of Responding Organization: | Illinois EPA |
|--|---|
| Name of Person Responding: | Robert Mosher |
| Address: | |
| | |
| | |
| Telephone Number: | |
| Signature of respondent: | (Signature on file |
| | NPDES Permit Number IL0028088 Discharge Number 103 |
| We have examined our records and within one or more of the following | d determined that the subject discharge does_/ does not_fall g categories of sensitive areas: |
| (Circle all categories that | apply) |
| Designated Outstanding | g National Resource Waters |
| 2) National Marine Sancti | uaries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ontact recreation |
| 6. Public drinking water i | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | on for each category and reference the source in the space pages) |
| See copy of cove Lake Michigan is | a designated public water supply |
| | |
| | |
| | |



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

RENEE CIPRIANO, DIRECTOR

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:

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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

ог ектк. снво.

3003 70% -3 WH 11: 26

DIR. OF R & D

AX1-16 GEORGE H. RYAN, GOVERNOR

| 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: | 847 - 866 - 2942 Signature on file2: |
| y 184 | |
| • | NPDES Permit Number IL0028088 Discharge Number 103 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not / fall g categories of sensitive areas: |
| (Circle all categories that a | National Resource Waters paries or endangered species and their habitat |
| Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | naries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | entact recreation |
| | ntakes or their designated protection areas |
| | |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
| | |
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| | AX1-17 |

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 logiams, 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.

| Date0 | 5/17/ | 02 | | | | Time | | 12:20 |
|---|------------|------------------------|-------------|---------------------|-----------------|-------------------------|-------------------------------|-------------------------|
| Assessment Obse | erver | Wasik | | | | | | |
| Waterbody | North S | hore Char | nnel | | | 72 | | |
| CSO Number | 104 | _ | Distance | Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Loca | ition Fac | ing Upstre | eam | LEF | T CE | NTER < | RIGHT | (circle one) |
| Channel Habitat | | POOL | | RUN | | RIFFLE | | (circle one) |
| Water Depth (ft) | | 2.3 | | | Channel | Width (ft) | | 99 |
| Water Level | | LOW | NOR | MAL | HIGH | FLO | ODED | (circle one) |
| Man-made Struct | ures | DAM | RIP | RAP | BR | IDGE | LEVEE | ISLAND |
| | | SHEET | PILINGS | | OTHER | | ecnyl | (circle one) |
| Channelization | | YES |) | NO | (cir | cle one) | ouly) | |
| Bank Erosion | SLI | GHT | MOD | DERATE | | SEVERE | | (circle one) |
| Logjam or Debris | s Build- | qp | | YES | | NO | (circle | one) |
| Physical Obstacle (If YES, describe | A CONTRACT | | | YES ce barring | g entrance | NO · | (circle | one) |
| Aquatic Vegetatio | n | YES = | vegetati | NO ion | FLOAT | ING | ATTAC | CHED (circle one |
| Sanitary Waste O | dor in W | ater | YES | < | NO |) (circ | e one) | |
| Sanitary Debris or | n Banks | es 2 3 | YES | | NO |) (circ | le one) | |
| Sediment Compos (Visual Observation | | Gravel (2 Cobble (1 | mm diamet | mm diam 256mm di | 170 | 90 5 | % - % - % - % - % | |
| Sediment Color | | Black | | | Sedime | ent Odor | Str | ong septic |
| Oil in Sediment | (NC | ONE | LIGHT | 1 | MODERA | TE | HEAVY | (circle one) |
| Depth of Fines (In | feet using | 1 inch diam | eter probe) | | | 0.3 | | |
| Riparian Land Use (Visual Observation) URBAN CO | URBA | AN RESID | | 10 | _% _% | WETLA FORES ROW C | т _ | 90 % % |
| OTHER | | | O I I II/IL | • | - ^{/°} | 110000 | | Remarks on reverse side |
| | | | | | | | | |

| Additional R | lemarks | | | | |
|--------------|---|--------------|-----|------|--|
| Coordinates | s: N 42d 02m 37.8s | W 87d 42m 34 | .0s | | |
| Upstream D | empster St. East I | Bank | | | |
| | | | | | |
| | | | | | THE STATE OF THE S |
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| Date 05 / 17 / | 02 | | | Time | | 12:25 |
|--|-----------------------|--|--------------|-----------------|-----------------------|-------------------------|
| Assessment Observer | Wasik | | | - | | |
| Waterbody North S | hore Channe | el | | | | |
| CSO Number 104 | _ Di | stance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location Fac | ing Upstrear | n LEF | T CE | NTER | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle one) |
| Water Depth (ft) | 6.6 | | Channel | Width (ft) | | 99 |
| Water Level | LOW | NORMAL | HIGH | FLOC | DDED | (circle one) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | ISLAND |
| | SHEET PIL | INGS | OTHER | (Spi | sciry) | (circle one) |
| Channelization C | YES | . NO | (cin | de one) | | |
| Bank Erosion SL | GHT | MODERATE | E | SEVERE | | (circle one) |
| Logjam or Debris Build- | up | YES | | NO | (circle | one) |
| Physical Obstacle Preven (If YES, describe obstacle | - | YES and a fence barri | ing entrance | NO | (circle | one) |
| Aquatic Vegetation | YES 司 If YES, is v | NO | > FLOAT | ING | ATTAC | CHED (circle one) |
| Sanitary Waste Odor in W | /ater YE | es $<$ | NO |) (circle | a one) | |
| Sanitary Debris on Banks | YE | S | NO | (circle | e one) | |
| Sediment Compostion (Visual Observation) | Cobble (16n | | - | 80 10 | % % % % % | |
| Sediment Color | Black | - Character of the Control of the Co | Sedime | nt Odor | Str | ong septic |
| Oil in Sediment NO | ONE L | .IGHT < | MODERA | TE | HEAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diamete | r probe) | | 3.3 | | |
| Riparian Land Use (Visual Observation) URB | GRASS AN RESIDE | | _% _% | WETLAI FORES | - | <u></u> % |
| URBAN COMMERC | CIAL/INDUST | TRIAL | _% | ROW C | ROPS | % |
| OTHER (Specify) | | | % | | | Remarks on reverse side |

| Date 0 | 5 / 17 / 02 | | | | Time | | 12:30 | |
|--|--|------------------|------------------------|-------------|------------|-----------------------|--------------|--|
| Assessment Obse | erver Was | k . | | | | | | |
| Waterbody | North Shore C | Channel | | | | | | |
| CSO Number | 104 | Distance | Below C | SO (ft) | 50 | 200 | (circle | one) |
| Assessment Loca | tion Facing U | ostream C | LEFT | CEN | ITER | RIGHT | (circle | one) |
| Channel Habitat | POC | | RUN | | RIFFLE | | (circle | e one) |
| Water Depth (ft) | 2. | 3 | . с | hannel \ | Width (ft) | | 99 | |
| Water Level | LOW | NOR | MAL | HIGH | FLOC | DED | (circle | one) |
| Man-made Structi | ures DAM | RIPE | AP | BRI | DGE | LEVEE | | ISLAND |
| | SHE | ET PILINGS | | OTHER | | ciry) | (circle | e one) |
| Channelization | YES | \supset | NO . | (circi | e one) | , | | |
| Bank Erosion | SLIGHT | MOD | ERATE | | SEVERE | | (circle | e one) |
| Logjam or Debris | s Build-up | , | YES | | NO | ' (circle | one) | |
| Physical Obstacle (If YES, describe | Preventing A e obstacle) Stee | | YES > | access | NO | (circle | one) | in the state of th |
| Aquatic Vegetatio | | S, is vegetation | NO On | : FLOATI | NG | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in Water | YES | | NO | (circle | : one) | | |
| Sanitary Debris or | n Banks | YES | | NO |) (circle | one) | | |
| Sediment Compos (Visual Observation | on) Clay Slud Sand Gray Cobl | | mm diamet 56mm dian | - | 80 10 | % % % % % | | |
| Sediment Color | Gr | ay | | Sedime | nt Odor | | Septic | |
| Oil in Sediment | NONE | LIGHT | > M | ODERA | TE | HEAVY | (circi | le one) |
| Depth of Fines (In | feet using 1 inch | diameter probe) | | | 0.26 | | | |
| Riparian Land Us | e G | RASSLAND | 10 | % | WETLA | ND | | % |
| (Visual Observation) | | SIDENTIAL | | % | FORES | | 90 | % |
| | MMERCIAL/I | NDUSTRIAL . | | % | ROW C | ROPS | | -% |
| OTHER | (Specify) | | | % | | | Remarks on a | 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 | w CSO (ff) 50 200 (circle one) |
| Assessment Location Facing Upstream LE | FT 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 MODERA | TE SEVERE (circle one) |
| Logjam or Debris Build-up YES | NO (circle one) |
| Physical Obstacle Preventing Access YES (If YES, describe obstacle) Steep banks and fence barr | NO (circle one) |
| 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 Compostion (Visual Observation) Plant Debris Clay Sludge Sand (<2mm diameter) Gravel (2mm to <16mm dia Cobble (16mm to <256mm Boulder (>256mm diameter) | 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 GRASSLAND 10 (Visual Observation) URBAN RESIDENTIAL URBAN COMMERCIAL/INDUSTRIAL | % WETLAND % % FOREST 90 % ROW CROPS % |
| OTHER (Specify) | % Remarks on reverse side |
| | |

| Date 05/17/0 | 02 | | | Time | | 12:45 | |
|--|--|---|------------|-----------------|-------------------------------|------------|---|
| Assessment Observer | Wasik | | | | | | |
| Waterbody North S | hore Channel | | | | | | |
| CSO Number 104 | Dist | ance Below | CSO (ft) | 50 | 200 |) (circ | le one) |
| Assessment Location Fac | ing Upstream | LEF | T CEN | NTER | RIGHT | (circ | le one) |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circ | le one) |
| Water Depth (ft) | 6.6 | | Channel | Width (ft) | | 99 | |
| Water Level | LOW < | NORMAL | HIGH | FLO | DDED | (circ | le one) |
| Man-made Structures | DAM | RIPRAP | BRI | DGE | LEVEE | | ISLAND |
| | SHEET PILIN | NGS | OTHER | | ecity) | (circ | ie one) |
| Channelization | YES | NO | (circ | le one) | outy | : | |
| Bank Erosion SLI | GHT | MODERATE | E | SEVERE | | (circ | le one) |
| Logjam or Debris Build- | up | YES | \sim | NO | (circle | one) | |
| Physical Obstacle Preven (If YES, describe obstacle | • | YES nd fence barrin | g entrance | NO | (circle | one) | a findina d'allami hannago n'alay no nà sal |
| Aquatic Vegetation | YES = | NO | FLOATI | NG | ATTAC | CHED | (circle one) |
| Sanitary Waste Odor in W | later YES | · < | NO | (circle | e one) | | |
| Sanitary Debris on Banks | YES | 3 | NO | (circle | e one) | | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm of Gravel (2mm of Cobble (16mm Boulder (>256 Bedrock or Of | to <16mm diam n to <256mm d 6mm diameter) | | 60 | % - % - % - % - % | | |
| Sediment Color | Black | | Sedime | nt Odor | | Septic | |
| Oil in Sediment NO | ONE LI | GHT | MODERA | TE | HEAVY | (circ | de one) |
| Depth of Fines (In feet using | 1 inch diameter | probe) | | 3 | | | |
| | GRASSLAN RESIDEN | TIAL | _% _% | WETLAN FORES | Т | | _% _% |
| URBAN COMMERC | JIAL/INDUSTF | RIAL | _% | ROW C | ROPS . | | -% |
| OTHER (Specify) | | | % | | | Remarks on | reverse side |

| Date 0 | 5/17/02 | | | | Time | | 12 : 55 | |
|--|---------------------|-----------------------------|----------------------------------|------------|--|-----------------|------------|--------------|
| Assessment Obse | erver <u>V</u> | Vasik | | | -1 | | | |
| Waterbody | North Sho | re Channe | el . | | : * | | | - |
| CSO Number | 104 | Di | stance Below | CSO (ft |) 50 | 200 |) (circ | le one) |
| Assessment Local | tion Facing | g Upstrear | n LEF | T) c | ENTER | RIGHT | (circ | le one) |
| Channel Habitat | P | OOL | RUN | * * | RIFFLE | | (circ | le one) |
| Water Depth (ft) | | 2.3 | | Channe | el Width (ft) | | 99 | |
| Water Level | L | ow c | NORMAL | HIGH | FLOC | DDED | (circ | le one) |
| Man-made Structu | ires D | MAM | RIPRAP | В | RIDGE | LEVEE | | ISLAND |
| 4 | S | HEET PIL | INGS | OTHE | The state of the s | scity) | (circi | le one) |
| Channelization | $\langle Y \rangle$ | ES | NO | | circle one) | . B | | F.5 \$72 |
| Bank Erosion | SLIGH | HT. | MODERAT | E (| SEVERE | > | (circi | le one) |
| Logjam or Debris | Build-up | | YES | < | NO | (circle | one) | 204 |
| Physical Obstacle (If YES, describe | | | YES and fence barrie | ng entranc | NO | (circle | one) | - |
| Aquatic Vegetation | | ES ¬Ţ YES, is ve | NO | FLOA | TING | ATTAC | HED | (circle one) |
| Sanitary Waste Oc | dor in Wate | ėr YE | :s < | NO |) (circle | e one) | | |
| Sanitary Debris on | Banks | YE | s C | NO |) (circle | e one) | | |
| Sediment Compos (Visual Observation | n) C | lant Debris lay ludge | 5 | <i>₹</i> 7 | 90 | % - % - % | | 7 4 f |
| . 68 | | and (<2mm | diameter) | 61 | | - % | -0+ | |
| | | | n to <16mm diar | | | % | | |
| | | | nm to <256mm o 56mm diameter) | | | - % - % | | |
| Sediment Color | | ark Gray | , | | nent Odor | ** | Septic | |
| Oil in Sediment | NON | E | IGHT | MODER | RATE | HEAVY | | de one) |
| Depth of Fines (In | feet using 1 i | inch diamete | r probe) | | 0.13 | | | |
| Riparian Land Use | | GRASSI | | % | WETLAI | ND. | • | % |
| (Visual Observation) | | RESIDEN | | - % | FORES: | | 90 | -% |
| URBAN CO | MMERCIA | L/INDUST | RIAL | % . | ROW C | ROPS | | _% |
| OTHER (| Specify) | | | % | | ı | Remarks on | reverse side |

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, Cobudo.

M. W. R. D.

OF GRIR. CHGO.



Date Submitted: 5-24-02 If this is a resubmittal, include previous

IDNR response if available.

ก่องเกี่ย์การเสยเก็บร

Gnorge H. Ryan, Governor - Brent Manning, Executive

CONSULTATION AGENCY ACTION REPORT

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

FOR DEPARTMENT USE ONLY
PROJCODE: 0203754 DUE DATE: 6-23-02 Phone: 312-751-5600 Applicant: MWR Contact Person: R Fax: Applicant Address: 100 E. Enie Street Email: LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION IS REQUIRED L0028088 Discharge#104 County: Project Address (if available): City, State, Zip: (e.g. T45N,R9E,S2): Township/Range/Section 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.

Local/State Agency with Project Jurisdiction: Contact: Unknown Phone: Address: Fax:

Contact funding agency or this Division for details.

| | Email: | | |
|--|-----------------------|---|--|
| | | | |
| | | | |
| FOR DEPA | ARTMENT USE ONLY | | |
| Are endangered/threatened species or Natural Areas present in the vi Could the proposed action adversely affect the endangered/threatened Is consultation terminated? Comments: | | [Yes 100] [Yes 100] [22 No] | |
| | 0, 0 | | |
| | .4183 | | |
| Signature on file what | - or Sold All Sold of | 7-8-02 | |
| | " 81 "" - | | |
| Division of Resource Review & Coordination (217)785-5500 | DIR. OF WAYS | | |



IN REPLY REFER TO

FWS/AES-CIFO (T986)

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)



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.

2005 70F - P W 3:33

UIR, OF R & D

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

| Name of Responding Organization: | U.S. Fish+ Wildlife Service |
|--|--|
| Name of Person Responding: | Shawn Citton |
| Address: | 1250 S. Grove Av. Suite 103 |
| | Barrington, IL 60010 |
| | • |
| Telephone Number: | 847-381-2253 |
| Signature of respondent: | Signature on file |
| vi. | |
| | NPDES Permit Number IL0028088 Discharge Number 104 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3 Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the e | enclosed documentation: |
| (Supply supporting documentation provided below or on additional po | n for each category and reference the source in the space ages) |
| | |
| | |
| | |
| | |
| | |
| | |

AXII-13

Metropolitan Water Reclamation District of Greater Chicago Sensitive Area Response Form CITY OF EVANSTON Name of Responding Organization: RICHARD J. FIGUREN Name of Person Responding: 555 LINCOLN ST. Address: EVANSTON, IL. 6020) 847-866-2942 Telephone Number: Signature on file 2. Signature of respondent: 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 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)

AXII-14

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 logiams 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.

| Date | 5 / 28 / 0 |)2 | | | | Time | | 11:55 | |
|--|--------------|-------------------------------|--------------|------------------------------|---------------|------------|---------------------------------|------------|----------------|
| Assessment Obs | erver | Sopcak | | | | | | | - |
| Waterbody | Des Plai | ines Rive | Γ | | | · | | | |
| CSO Number | 109 | | Distance | Below | CSO (ft) | 50 | 200 | (circi | le one) |
| Assessment Loca | ation Fac | ing Upstro | eam C | LEF | CE | NTER | RIGHT | (circ | le one) |
| Channel Habitat | | POOL | | RUN | > | RIFFLE | | (circ | te one) |
| Water Depth (ft) | | 1.5 | | | Channel | Width (ft) | | 131 | |
| Water Level | | LOW | NOR | MAL | HIGH | FLO | DDED | (circ | de one) |
| Man-made Struct | tures | DAM | RIPR | AP | BR | IDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHER | | аспу) | (circ | de one) |
| Channelization | | YES | | NO |) (cir | cle one) | | | |
| Bank Erosion | SLI | GHT | MOD | ERATI | Ξ | SEVERE | | (circ | de one) |
| Logjam or Debr | is Build-u | dr | | YES | > . | NO | (circle | one) | |
| Physical Obstacle (If YES, describ | | | | YES | ₹ 1 | NO | (circle | one) | · - · |
| Aquatic Vegetation | on | YES = | s vegetation | NO on | FLOAT | ING | ATTA | CHED | (circle ona) |
| Sanitary Waste C | dor in W | later | YES | | NO |) (circ | le one) | | |
| Sanitary Debris of | n Banks | | YES | | NO |) (circ | le one) | | |
| Sediment Compo (Visual Observal | | Gravel (Cobble de Boulder | | nm dian 56mm d ameter) | - | 70 | - % - % - % - % - % | | |
| Sediment Color | | Black | | | Sedim | ent Odor | | Septic | |
| Oil in Sediment | NO | ONE | LIGHT | | MODER | ATE | HEAVY | (cir | rde one) |
| Depth of Fines (I | n feet using | 1 inch diar | neter probe) | | | 0.07 | | | |
| Riparian Land Us (Visual Observation) | URB | AN RESI | • | 75 | _ % _ % | WETLA | | 25 | _% _% |
| URBAN C | OMMERO | CIAL/IND | JSTRIAL . | | % | ROW C | ROPS | | % |
| OTHER | (Specify) | | | | % | | | Remarks or | n reverse side |

| Additional Remarks | Sampling location is under Rand Rd. bridge. Side sediment samples | | | | |
|--|---|--|--|--|--|
| taken near east and wes | taken near east and west shores not between center bridge supports. | | | | |
| N 42d 2m 40.2s W 87d | 52m 42.3s | | | | |
| | | | | | |
| en haventere en en estad kalende eksik di kilonen estad estad en en eksik estad estad estad estad estad estad e | | | | | |
| | | | | | |
| entropy on the street and of the birth of protective many where the relation is been proved to entropy of the street of the birth of th | | | | | |
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| | | | | | |
| | | | | | |

| Date 05 / 2 | 8 / 02 | | | Time | | 12:05 |
|---|---|--------------------|------------|-------------------------|---------------------------------|-------------------------|
| Assessment Observer | Sopcak | | | | | |
| Waterbody Des | Plaines Rive | r | | | | |
| CSO Number10 | 9 | Distance Belov | v CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location | Facing Upstr | eam LEI | FT CE | NTER | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | > | RIFFLE | | (circle one) |
| Water Depth (ft) | 3.1 | ٠. | Channe | l Width (ft) | | 131 |
| Water Level | LOW | NORMAL | HIGH | FLO | ODED | (circle one) |
| Man-made Structures | DAM | RIPRAP | BR | RIDGE | LEVEE | ISLAND |
| • | SHEET | PILINGS | OTHER | | ecity) | (circle one) |
| Channelization | YES | NO |) (cir | rcle one) | | |
| Bank Erosion | SLIGHT | MODERA | re . | SEVERE | | (circle one) |
| Logjam or Debris Bu | ild-up | YES | > | NO | (circle | e one) |
| Physical Obstacle Pred (If YES, describe obst | | ss YES | J. | NO | (circk | e one) |
| Aquatic Vegetation | YES = | NO s vegetation | FLOAT | ING | ATTA | CHED (circle one) |
| Sanitary Waste Odor in | n Water | YES C | NO |) (circ | le one) | |
| Sanitary Debris on Bar | nks | YES | NO | (circ | le one) | |
| Sediment Compostion (Visual Observation) | Clay Silt (Orga Sand (<2 Gravel (: Cobble (Boulder Bedrock | | diameter) | 10 90 | - % - % - % - % - % | |
| Sediment Color | Brown | | Sedime | ent Odor | | None |
| Oil in Sediment | NONE | LIGHT | MODERA | ATE | HEAVY | (circle one) |
| Depth of Fines (In feet of | sing 1 inch dian | neter probe) | | 0 | , | |
| Riparian Land Use (Visual Observation) URBAN COMME | RBAN RESID | | % % | WETLA FORES ROW C | T . | % % |
| OTHER (Specify | | | — | | | Remarks on reverse side |
| | | | | | | |

| Date (|)5 / 28 / 0 |)2 | | | | Time | | 12:20 | |
|---------------------------------------|--------------|---|----------------|-----------------------------------|-----------|------------|--------------------------------------|------------|--------------------------------|
| Assessment Obs | erver | Sopcak | | | | | | | CONTRACTOR CONTRACTOR LANGUAGE |
| Waterbody | Des Plai | nes Rive | r | | | | | | |
| CSO Number | 109 | | Distance | e Below | CSO (ft) | 50 | 200 | (circl | e one) |
| Assessment Loca | ation Fac | ing Upstr | eam | LEF1 | CE | NTER < | RIGHT | (circi | e one) |
| Channel Habitat | | POOL | | RUN | > ' | RIFFLE | | (circl | e one) |
| Water Depth (ft) | | 1.7 | | | Channel | Width (ft) | | 131 | |
| Water Level | | LOW | NOF | RMAL | HIGH | FLO | ODED | (circl | e ane) |
| Man-made Struct | ures | DAM | RIP | RAP | BR | IDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHER | | ecity) | (circi | e ona) |
| Channelization | | YES | | NO |) (cir | cle one) | | | |
| Bank Erosion | SLI | GHT | MO | DERATE | \supset | SEVERE | | (circi | e one) |
| Logjam or Debri | is Build-u | ıb | | YES | > | NO | (circle | one) | |
| Physical Obstacle (If YES, describ | | _ | ss | YES | ¬, < | NO | (circle | one) | |
| Aquatic Vegetation | on . | | ন্ s vegeta | NO tion | FLOAT | ING | ATTAC | HED | (circle ane) |
| Sanitary Waste C | dor in W | ater | YES | | NO |) (circ | e one) | | |
| Sanitary Debris o | n Banks | | YES | | NO |) (circ | le one) | | |
| Sediment Compo | | Gravel (Cobble of Boulder Bedrock | | 6mm diam 256mm di diameter) | ameter) | 20 80 | % - % - % - % - % - % | | |
| Sediment Color | | Brown | | | Sedime | ent Odor | | None | |
| Oil in Sediment | NO | ONE | LIGHT | | MODERA | TE | HEAVY | (circ | le ona) |
| Depth of Fines (In | n feet using | 1 inch diar | neter probe | a) | | 0.13 | | | |
| (Visual Observation) | URBA | AN RESI | | | _% _% | WETLA | т : | 100 | _% _% |
| URBAN CO | | MLIND | JO I KIÁL | | _% | ROW C | • | | -% |
| OTHER | (Specify) | | | | % | | | Remarks on | reverse side |

| Date | 05/28/ | 02 | | | Time | | 12:40 | |
|-------------------------------------|--------------|-------------|------------------------------|----------|--------------|-------------|--------------------|-----------|
| Assessment Obs | server | Sopcak | | | | | | |
| Waterbody | Des Pla | ines Rive | г | | | | | |
| CSO Number | 109 | _ | Distance B | elow CSO | (ft) 50 | 200 | (circle one) | |
| Assessment Loc | ation Fac | ing Upstr | eam \subset | LEFT | CENTER | RIGHT | (circle one) | |
| Channel Habitat | | POOL | RI | ON C | RIFFL | E . | (circle one) | |
| Water Depth (ft) | | 5.3 | | Cha | nnel Width (| ft) | 97.5 | |
| Water Level | • | LOW | NORM | AL HIC | H FLO | OODED | (circle one) | |
| Man-made Struc | tures | DAM | RIPRA | D. | BRIDGE | LEVEE | ISL | AND |
| | | SHEET | PILINGS | ОТ | HER | Specify | (circle one) | |
| Channelization | 4 | YES | N | \geq | (circle one) | (obson)) | | |
| Bank Erosion | SL | IGHT | MODE | RATE | SEVER | E . | (circle one) | |
| Logjam or Debi | ris Build- | up | Y | ES | NO |) (circle | one) | |
| Physical Obstact (If YES, descri | | | | S Fi | NO | (circle | one) | |
| Aquatic Vegetati | | | s vegetation | FLO | DATING | ATTA | CHED (di | rale one) |
| Sanitary Waste | | | YES | NO | - " | ircle one) | | |
| Sanitary Debris | | | YES | NO | | circle one) | | 141 |
| Sediment Compo (Visual Observa | | Plant De | ebris | 5 | | _ % | | - |
| | | Silt (Orga | nic) | | . 10 | % | | #1 #2 |
| | | | mm diameter) | | 10 | - % | | |
| g•t | | | 2mm to <16mm 16mm to <256 | | 80 | - % | | |
| | | | (>256mm diam | | " | - % | | |
| | | | or Concrete | | | % | | |
| Sediment Color | | Brown | | Se | diment Odor | | None | |
| Oil in Sediment | N | ONE | LIGHT | MOD | ERATE | HEAVY | (circle one) | (|
| Depth of Fines (I | n feet using | 1 inch dian | neter probe) | - | 0.07 | | | |
| Riparian Land U | se | GRA | SSLAND_ | % | WETL | AND | % | |
| (Visual Observation) | | AN RESID | | % | FORE | | % | |
| URBAN C | | CIAL/INDU | JSTRIAL _ | 100 % | ROW | CROPS | % | |
| OTHER | (Specify) | | | % | | | Remarks on reverse | side |

| Date 0 | 5/28/0 |)2 | | | | Time | | 12:4 | 5 |
|---|---------------|----------------------------------|-------------|---------------------------------|----------|-------------------------|-------------------------------|-----------|----------------|
| Assessment Obse | erver | Sopcak | | | | | | | |
| Waterbody | Des Pla | ines Rive | · - | | | | | | |
| CSO Number | 109 | | Distance | Below (| CSO (ft) | 50 | 200 |) (0 | ircle one) |
| Assessment Loca | tion Fac | ing Upstr | eam | LEFT | CE | NTER | RIGHT | (0 | ircle one) |
| Channel Habitat | | POOL | | RUN | | RIFFLE | | (0 | irde one) |
| Water Depth (ft) | | 3.8 | | (| Channe | el Width (ft) | | 97.5 | |
| Water Level | | LOW | NOR | MAL | HIGH | FLO | ODED | (6 | ircle one) |
| Man-made Structi | ures | DAM | RIPE | CAP . | В | RIDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHE | | eciiV) | _ (c | ircle one) |
| Channelization | | YES | | NO | (0 | ircle one) | ou, y | | |
| Bank Erosion | SLI | GHT | MOD | ERATE | | SEVERE | | (0 | ircle one) |
| Logjam or Debris | s Build-u | ıp | , | YES | < | NO | (circl | e one) | |
| Physical Obstacle (if YES, describe | | • | ss ` | YES = | J. | NO | (circl | e one) | |
| Aquatic Vegetation | n | YES = | vegetation | NO on | FLOA | TING | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in W | ater | YES | | NO |) (circl | le one) | | |
| Sanitary Debris or | Banks | | YES | | NO |) (circi | le one) | | |
| Sediment Compos (Visuali Observation | | Gravel (2 Cobble (Boulder | | nm diame 56mm dia ameter) | | 5 35 60 | % - % - % - % - % | | |
| Sediment Color | | Brown | | | Sedim | ent Odor | | None | <u> </u> |
| Oil in Sediment | NO | NE | LIGHT | M | IODER | ATE | HEAVY | (c | ircle one) |
| Depth of Fines (In | feet using | 1 inch diam | eter probe) | | | 0.07 | | | |
| Riparian Land Use (Visual Observation) URBAN CO | URBA MMERC | N RESID | - | | % % | WETLA FORES ROW C | Т | | % % |
| OTHER | Specify) | | | | % | | | Remarks o | n reverse side |

| Date 05 / 2 | 8 / 02 | | | Time | | 12:50 | |
|---|--|---|----------|------------|-----------------|---------------|--------------|
| Assessment Observer | Sopcak | | | - | | | |
| Waterbody Des | Plaines River | | | | | | |
| CSO Number 10 | 9 [| Distance Below | CSO (ft) | 50 | 200 | (circle | oue) |
| Assessment Location | Facing Upstream | am LEF | T CE | NTER < | RIGHT | (circle | one) |
| Channel Habitat | POOL | RUN | > | RIFFLE | #6 | (circle | one) |
| Water Depth (ft) | 1.6 | - | Channel | Width (ft) | | 97.5 | |
| Water Level | LOW | NORMAL | HIGH | FLO | DDED | (circle | one) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | | ISLAND |
| | SHEET P | ILINGS | OTHER | ₹ <u></u> | SCIVI - | (circle | one) |
| Channelization | YES | NO |) (cir | cle one) | | | |
| Bank Erosion | SLIGHT | MODERAT | | SEVERE | | (circle | one) |
| Logjam or Debris Bu | ild-up | YES | > , | NO | (circle | one) | |
| Physical Obstacle Pre (If YES, describe obst | Carlos Ca | s YES | | NO | (circle | one) | .27 |
| Aquatic Vegetation | YES ू If YES, is | vegetation | FLOAT | ING | ATTAC | CHED | (circle one) |
| Sanitary Waste Odor i | n Water ` | YES C | NO |) (circl | e one) | | |
| Sanitary Debris on Ba | nks ` | YES C | NO |) (circi | is ons) | | |
| Sediment Compostion (Visual Observation) | Clay Silt (Organ Sand (<2n Gravel (2r | ic) nm diameter) nm tó <16mm dian | | 20 50 | % - % - % | | e. |
| | Start - Grand T. Wa | 6mm to <256mm o >256mm diameter) | -3 | | - % | | |
| 2.20 *8 | | or Concrete | | | - % | | |
| Sediment Color | Brown | | Sedime | ent Odor | | Septic | |
| Oil in Sediment | NONE | LIGHT | MODERA | ATE | HEAVY | (circle | one) |
| Depth of Fines (In feet o | using 1 inch diame | eter probe) | | 1.3 | | | |
| Riparian Land Use | GRAS | SLAND | % | WETLA | ND | | % |
| (Visual Observation) | RBAN RESID | | _% | FORES | | 100 | % |
| URBAN COMM | • | STRIAL | % | ROW C | ROPS | | .% |
| OTHER (Specif | y) | | % | | | Remarks on re | everse side |



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



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

| Otephen A. Ba | 715; Office |
|--|---|
| Date submitted: 6-3-6 2 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 5 20 37 5 5 Date Due: 7-3-0-7 |
| Applicant Name: MWRDGC Contact Person: Richard Langen Applicant Address: 100 East Enix Strut Chicago, TL 60611 | Phone: 312-751-5660 Fax:_ E-mail:_ |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name: TLOG 280 88 Dichard Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): Brief Description of Proposed Action: Dischard Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this action Policy Act will apply. Contact the funding agency or this | ion? [Yes No] If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: IEP Contact: Address: | A/BOW/ Pannits Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endangles consultation terminated? Comments: | |
| Evaluated by: Signature on file Division of Resource Review and Coordination (217) 78 | Date: 10-21-0 2 |

Cp: sto: Visit our website at http://dnr.state.il.us/orep/nrrc/nrrc.htm
F: 12
Richard Lanyon
AXIII-10



IN REPLY REFER TO

FWS/AES-CIFO

(T1026)

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)



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.

2002 JUL 12 PM 11:54

OIR, OF R & D

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

Sincerely,

Signature on file

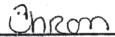
John D. Rogner Field Supervisor

Enclosure

| Name of Responding Organization: | U.S. Fish + Wildlife Service |
|---|---|
| Name of Person Responding: | Shawn Cirton |
| Address: | 1250 5. Grave. Av. |
| | Baccington IL 60010 |
| | |
| Telephone Number: | 847-381-2253 xt 236 |
| Signature of respondent: | _Signature on file |
| 24% | |
| | NPDES Permit Number IL0028088 Discharge Number 109 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not / fall categories of sensitive areas: |
| (Circle all categories that a | |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3 Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| 6. Public drinking water in | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional provided below or on the | n for each category and reference the source in the space ages) |
| Management of the Contract of | |
| | |
| | |
| | |
| | |
| | AXIII-13 |



| Name of Responding Organization: | Illinois EPA |
|--|--|
| Name of Person Responding: | Robert Mosher |
| Address: | |
| | |
| · · | |
| 31 34 34 34 35 35 35 35 35 35 35 35 35 35 35 35 35 | |
| Telephone Number: | |
| Signature of respondent: | Signature on file |
| | NPDES Permit Number IL0028088 Discharge Number 109 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall categories of sensitive areas: |
| (Circle all categories that ap | oply) |
| 1. Designated Outstanding | National Resource Waters |
| National Marine Sanctua | ries |
| 3. Waters with threatened of | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary con | tact recreation |
| 6) Public drinking water in | takes or their designated protection areas |
| Our determination is based on the en | nclosed documentation: |
| provided below or on additional pa | for each category and reference the source in the space ges) Covin / the |
| | |
| | |
| | |
| | AXIII-14 |





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: Address: 1425 Miner St Des Plaines IL 60016 (847) 2G1-5390 Telephone Number: Signature on file Signature of respondent: Subject: NPDES Permit Number IL0028088 Discharge Number 109 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 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 ject area is a sensitive area as defined by the оғ ектк. снео. Sty : Z Wa IZ NOC ZOOZ

AXIII-16

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 planics 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.

2-4-2

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 rait, 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 logiams 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.

| Date 05 / 17 / 0 | 02 | | * | Time | | 11:20 | |
|--|--|--|----------------|---------------------|-----------------------|--------------|--------------|
| Assessment Observer | Wasik | | | | | | |
| Waterbody North S | hore Channel | | | | | | |
| CSO Number 110 | Distar | nce Below | CSO (ft) | 50 | 200 | (circle | e one) |
| Assessment Location Fac | ing Upstream | LEF | CEN | NTER | RIGHT | (circle | e one) |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle | e one) |
| Water Depth (ft) | 3.3 | | Channel | Width (ft) | | 132 | |
| Water Level | LOW N | ORMAL | HIGH | FLOC | DED | (circle | e one) |
| Man-made Structures | DAM R | IPRAP | BRI | DGE | LEVEE | | ISLAND |
| | SHEET PILING | SS | OTHER | | ieny) | (circle | e one) |
| Channelization | YES | NO | (circ | ie one) . | -City | | |
| Bank Erosion SLI | GHT (V | ODERATE | | SEVERE | | (circle | e one) |
| Logjam or Debris Build- | up | YES | | NO | (circle | one) | |
| Physical Obstacle Preven (If YES, describe obstacle | | YES | } 1 | NO | (circle | one) | |
| Aquatic Vegetation | YES = C | NO | > FLOATI | NG | ATTA | CHED | (circle one) |
| Sanitary Waste Odor in W | ater YES | | NO | (circle | one) | | |
| Sanitary Debris on Banks | YES | | NO | (circk | one) | | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm dia Gravel (2mm to Cobble (16mm to Boulder (>256m Bedrock or Co | <16mm diam o <256mm di m diameter) | | 30 50 15 5 | % % % % % | | |
| Sediment Color | Grey | | Sedime | nt Odor | | None | |
| Oil in Sediment NO | ONE LIGI | HT) | MODERA | TE | HEAVY | (circl | e one) |
| Depth of Fines (In feet using | 1 inch diameter pro | obe) | | | 1 | | |
| | GRASSLAM AN RESIDENTI | AL | _% _% | WETLAN FORES | | 90 | % % |
| URBAN COMMERC | CIAL/INDUSTRIA | AL | _% | ROW C | ROPS | | % |
| OTHER (Specify) | *************************************** | | _% | | | Remarks on r | everse side |

| Additional Rema | arks | | | | |
|--|---------------------|---------------|-----|-----|--|
| Coordinates-N | 42d 01m 33.5s , W | 87d 42m 36.8s | | | . : |
| CSO under Oak | ton St. Bridge - We | st Bank . | | | |
| | | | | | <u>ши, античен колон баларар се гуре</u> |
| Andrew March 1997 | | | | | |
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| Date 0 |)5 / 17 / 0 |)2 | | | | Time | | 11:30 |) |
|---------------------------------------|--------------|-------------|-------------------------------------|----------|---------|------------|------------------------|-----------|-----------------|
| Assessment Obs | erver | Wasik | | | | | | | |
| Waterbody | North SI | nore Char | nel | | | | | | |
| CSO Number | 110 | - E | Distance B | elow C | SO (ft) | 50 | 200 | (cir | rcle one) |
| Assessment Loca | ation Fac | ing Upstre | eam | LEFT | CEI | NTER | RIGHT | (cir | role one) |
| Channel Habitat | < | POOL | R | UN | | RIFFLE | | (cir | rcle one) |
| Water Depth (ft) | | 9.9 | <u> </u> | C | hannel | Width (ft) | | 132 | |
| Water Level | • | LOW | NORM | AL | HIGH | FLO | ODED | (cir | rcle one) |
| Man-made Struct | ures | DAM | RIPRA | ·P | BR | IDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHER | | ecity) | (cir | rde one) |
| Channelization | | YES |) N | 0 | (circ | de one) | · | | |
| Bank Erosion | SLI | GHT | MODE | RATE | | SEVERE | | (cir | rde one) |
| Logjam or Debri | s Build- | ap. | Y | ES . | | NO | (circle | one) | |
| Physical Obstacle (If YES, describ | | | | ES P | J. | NO | circle | опв) | |
| Aquatic Vegetatio | on | YES = | Ne vegetation | - | FLOAT | ING | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in W | ater | YES | | NO |) (circ | le one) | | |
| Sanitary Debris o | n Banks | | YES | | NO | (circ | le one) | | |
| Sediment Compo (Visual Observati | | Gravel (2 | nic) mm diameter) mm to <16mr | n diamet | 3.00 | 100 | % - % - % - % | | |
| | | | 16mm to <256 (>256mm diar | | neter) | - | - % | | |
| | | | or Concret | 7.0 | | | - % | | 됞 |
| Sediment Color | | Dark Gra | / | * | Sedime | ent Odor | - | Musk | у |
| Oil in Sediment | NO | ONE C | LIGHT |) M | ODERA | TE | HEAVY | (c | ircle one) |
| Depth of Fines (In | n feet using | 1 inch diam | eter probe) | | | | 3.3 | | |
| Riparian Land Us | se . | GRAS | SSLAND | 10 | % | WETLA | ND | 10.00 | % |
| (Visual Observation) | | AN RESID | | | % | FORES | | 90 | % |
| URBAN CO | | CIAL/INDU | ISTRIAL _ | | % | ROWC | ROPS | | % |
| OTHER | (Specify) | 3 | | | % | | | Remarks o | on reverse side |

| Date 05 / 17 | 7 / 02 | | | Time | | 11 : 35 | |
|--|---|----------------|-------------|---------------------------|----------------------------|-----------------|---------------------------------|
| Assessment Observer | Wasik, M | linarik | | | | 1 | one lai builde ou Mattalana Ara |
| Waterbody North | h Shore Char | inel | | | | | |
| CSO Number 11 | 0 | Distance Below | CSO (ft) | 50 | 200 | (circle on | 16) |
| Assessment Location I | Facing Upstre | am LEF | T CEN | ITER < | RIGHT | (circle or | he) |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle or | 16) |
| Water Depth (ft) | 2.6 | | Channel 1 | Width (ft) | | 132 | · |
| Water Level | LOW | NORMAL | HIGH | FLOC | DED | (circle or | 16) |
| Man-made Structures | DAM | RIPRAP | BRI | DGE | LEVEE | 18 | SLAND |
| | SHEET | PILINGS | OTHER | (Spe | слу) | (circle or | 16) |
| Channelization | YES | NO NO | (circ | e ane) | | | |
| Bank Erosion | SLIGHT | MODERAT | | SEVERE | | (circle or | 16) |
| Logjam or Debris Bu | ild-up | YES | | NO > | (circle | one) | |
| Physical Obstacle Pred (If YES, describe obst | | | | NO | (circle | one) | naci dojuga, njestotelisti i s |
| Aquatic Vegetation | YES = | NO vegetation | FLOATI | NG | ATTAC | CHED | (circle one) |
| Sanitary Waste Odor is | n Water | YES < | NO | (circle | one) | | |
| Sanitary Debris on Bar | nks | YES < | NO | (circle | one) | | |
| Sediment Compostion (Visual Observation) | Clay Silt (Orga Sand (<2 Gravel (2 Cobble (Boulder Bedrock | | liameter) | 5 30 50 5 10 | % % % % % % | | |
| Sediment Color | Gray | | Sedime | nt Odor | | Septic | |
| Oil in Sediment | NONE | LIGHT | MODERA | TE | HEAVY | (circle o | ne) |
| Depth of Fines (In feet u | using 1 inch diam | neter probe) | | 0.66 | | | |
| Riparian Land Use (Visual Observation) U URBAN COMMI | RBAN RESID | | % % % | WETLAN FOREST ROW C | Τ | 90 9 | % % |
| OTHER (Specify | y) | , | % | | | Remarks on reve | erse side |

| Date | 05 / 17 / 0 |)2 | | | | Time | | 11:45 | |
|----------------------|-------------|-------------------------------|------------------|----------------------------|-------------|----------------|---------------------------------|------------|--------------|
| Assessment Obs | erver | Wasik, M | /linarik | | | | | | |
| Waterbody | North S | hore Cha | nnel | | | | | , | |
| CSO Number | 110 | _ | Distance B | Below | CSO (ft) | 50 | 200 | (circle | one) |
| Assessment Loca | ation Fac | ing Upstr | eam $<$ | LEFT | CE | NTER | RIGHT | (circle | one) - |
| Channel Habitat | | POOL |) R | UN | | RIFFLE | | (circle | one) |
| Water Depth (ft) | | 2.8 | | | Channel | Width (ft) | - | 132 | |
| Water Level | | LOW | NORM | AL | HIGH | FLO | ODED | (circle | one) |
| Man-made Struck | tures | DAM | RIPRA | AP | BR | RIDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHER | | еску) | (circl | one) |
| Channelization | \leq | YES | > N | 0 | (cit | rcle one) | | | |
| Bank Erosion | SL | GHT | MODE | RATE | Ξ. | SEVERE | | (circl | e one) |
| Logjam or Debr | is Build- | up | Υ | ES | | NO | (circle o | one) | |
| Physical Obstack | | • | | ES | | NO | (circle d | nne) | |
| Aquatic Vegetation | on C | YES = | ই s vegetatio | IO n | FLOAT | TING | ATTAC | HED | (circle one) |
| Sanitary Waste 0 | Odor in V | Vater | YES | | NO |) (circ | le one) | | |
| Sanitary Debris | on Banks | | YES | | NO |) (circ | le ona) | | |
| Sediment Compo | | Gravel (Cobble Boulder | | m diam 6mm di meter) | iameter) | 40 45 10 | - % - % - % - % - % | | |
| Sediment Color | | Dark Gra | ay ' | | Sedim | ent Odor | | septic | |
| Oil in Sediment | N | ONE | LIGHT | | MODER | ATE | HEAVY | (circ | le one) |
| Depth of Fines (I | n feet usin | g 1 inch dia | meter probe) | | | 2.1 | | | |
| Riparian Land U | se | GRA | SSLAND_ | 10 | _% | WETLA | ND | | _% |
| (Visual Observation) | | AN RESI | *** | | _% | FORES | - | 90 | -% |
| URBAN C | | CIAL/IND | USIRIAL_ | | % | ROWC | - | | _% |
| OTHER | (Specify) | | | | % | | 1 | Remarks on | reverse side |

| Additional Remarks | | |
|------------------------------|---------------------|--|
| Coordinates -N 42d 01m 31.9s | s , W 87d 42m 36.4s | : |
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| Date 05 / 17 / 02 | Time | 11 : 45 |
|--|--------------------|--------------------------------------|
| Assessment Observer Wasik, Minarik | | 3 |
| Waterbody North Shore Channel | | |
| CSO Number 110 Distance Be | low CSO (ft) 50 | (circle one) |
| Assessment Location Facing Upstream | LEFT CENTER | RIGHT (circle one) |
| Channel Habitat POOL RU | N RIFFLE | (circle one) |
| Water Depth (ft) 8.4 | Channel Width (ft) | 132 |
| Water Level LOW NORMA | HIGH FLOO | ODED (circle one) |
| Man-made Structures DAM RIPRAF | BRIDGE | LEVEE ISLAND |
| SHEET PILINGS | OTHER | ecity) (circle one) |
| Channelization YES NO | (circle one) | * |
| Bank Erosion SLIGHT MODER | RATE SEVERE | (circle one) |
| Logjam or Debris Build-up YE | s NO | (circle one) |
| Physical Obstacle Preventing Access YE (If YES, describe obstacle) Steep Banks | S NO | (circle one) |
| Aquatic Vegetation YES S NO | FLOATING | ATTACHED (circle one) |
| Sanitary Waste Odor in Water YES | NO (circ | le one) |
| Sanitary Debris on Banks YES | NO (circl | ie one) |
| Sediment Compostion (Visual Observation) Plant Debris Clay Sludge Sand (<2mm diameter) Gravel (2mm to <16mm Cobble (16mm to <256m Boulder (>256mm diameter) | nm 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 GRASSLAND | % WETLA | ND% |
| (Visual Observation) URBAN RESIDENTIAL | % FORES | |
| URBAN COMMERCIAL/INDUSTRIAL | % ROW C | |
| OTHER (Specify) | % | Remarks on reverse side |

| Date 05 | 5/17/0 | 2 | - | | | Time | | 11 : 55 | |
|--|------------|------------------|----------------------------------|---------|----------|----------------|------------|-----------|--|
| Assessment Obse | rver | Wasik | | | | | | | |
| Waterbody 1 | North Sh | ore Ch | annel | | | | | | |
| CSO Number | 110 | | Distance E | Below | CSO (ft) | 50 | 200 |) (circ | de one) |
| Assessment Locat | tion Faci | ng Upsi | tream | LEF | Γ CE | NTER < | RIGHT | (Gird | de one) |
| Channel Habitat | | POOL | > R | UN | | RIFFLE | | (circ | de one) |
| Water Depth (ft) | | 2.6 | | | Channel | Width (ft) | | 132 | glassa allansala marana ayun akan kanga Andhalam |
| Water Level | | LOW | NORM | IAL | HIGH | FLO | DDED | (circ | de one) |
| Man-made Structu | ıres | DAM | RIPRA | ٩P | BR | RIDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHER | ۲ | ecity) | (circ | de ona) |
| Channelization | | YES | > <u>N</u> | 0 | (cir | rcle one) | | | |
| Bank Erosion | SLI | 3HT | MODE | RATE | | SEVERE | | (cin | de one) |
| Logjam or Debris | Build-u | ıp | Y | ES | < | NO | (circle | one) | * * * . |
| Physical Obstacle (If YES, describe | | - | ess Y | ES | Stee | NO ep banks | (circle | one) | |
| Aquatic Vegetation | n | YES If YES, | is vegetatio | 10 n | FLOAT | TING | ATTAC | CHED | (circle one) |
| Sanitary Waste O | dor in W | ater | YES | | NO |) (circ | le one) | | |
| Sanitary Debris or | Banks | | YES | | NO |) (circ | le one) | | |
| Sediment Compos | | Plant [| Debris | | | | - % | | |
| (Visual Observation | on) | Clay Silt (Or | · . | | | 10 | - % | | |
| | | | <2mm diameter | r) | | 40 | - % | | |
| | | | (2mm to <16m | | | 50 | - % | | |
| | | | e (16mm to <25 er (>256mm dia | | iameter) | | - % - % | | |
| | | | ck or Concre | | | | - % | | |
| Sediment Color | | Gray | | | Sedim | ent Odor | | Septio | |
| Oil in Sediment | NO | ONE | LIGHT | > | MODER | ATE | HEAVY | (ci | rde one) |
| Depth of Fines (In | feet using | 1 inch di | ameter probe) | | | 0.66 | | | |
| Riparian Land Us | е | GR | ASSLAND_ | 10 | _% | WETLA | ND | | % |
| (Visual Observation) | | | SIDENTIAL _ | | % | FORES | | 90 | % |
| URBAN CO | | IAL/INI | DUSTRIAL _ | | _% | ROWC | ROPS | | _% |
| OTHER | (Specify) | | | | % | | | Remarks o | n reverse side |



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

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2002 JUN 17 AM II: 44, Loudio D.O. Dougle of the correction of GRIR. CHGO.

OF GRIR. CHGO.



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

| Stephen K. Dav | vis, Offici |
|---|--|
| Date submitted: 6-11-0 7. If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 0 70 4 00 9 Date Due: 7-11-0 2 |
| Applicant Name: MWRDGC Contact Person: Richard Langon Applicant Address: 100 E. Enix Strut Chicago: Th 60611 | Phone: 312-751-5600 Fax: E-mail: |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name ILSO 2808 Dischard #) Project Address (if available): City, State, Zip: HIN 13 E Sec 23 Township/Range/Section (e.g. T45N,R9E,S2): Brief Description of Proposed Action: Sensitive Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this action Policy Act will apply. Contact the funding agency or this | on? [Yes W] If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: TEPA Contact: Address: | /Bow/Permits Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endang Is consultation terminated? Comments: | gered species or Natural Area? [YES (NO) |
| Evaluated by: Signature on file Division of Resource Review and Coordination (217) 78 | Date: 10-21-0 Z |

Copies to: Visit our website at http://dnr.state.il.us/orep/nrrc/nrrc.htm File
Richard Lanyon
AXIV-11



IN REPLY REFER TO

U.S. FISH AND WILDLIFE SERVICE

United States Department of the Interior

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



July 9, 2002

FWS/AES-CIFO (T1062)

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.

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018, 0F R & D

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

| 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 xt 236 |
| Signature of respondent: | Signature on file |
| | NPDES Permit Number IL0028088 Discharge Number 110 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not \(\square \) fall g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| National Marine Sanctu | aries |
| Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional per | a for each category and reference the source in the space ages) |
| | |
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| | |
| | AXIV-14 |

| Name of Responding Organization: | Illinois EPA | Space of the Contract of the C |
|--|---|--|
| Name of Person Responding: | Robert Mosher | |
| Address: | | |
| | | |
| | • | |
| Telephone Number: | | |
| Signature of respondent: | Signature on file | |
| 9 | NPDES Permit Number IL0028088 Discharge Number 110 | |
| We have examined our records and within one or more of the following | d determined that the subject discharge does/ does not_ g categories of sensitive areas: | _ fall |
| (Circle all categories that a | apply) | |
| Designated Outstanding National Marine Sanct | g National Resource Waters | |
| | or endangered species and their habitat | |
| 4. Shellfish beds | | |
| 5. Waters with primary co | ontact recreation | |
| Public drinking water in | ntakes or their designated protection areas | |
| Our determination is based on the | enclosed documentation: | |
| (Supply supporting documentatio provided below or on additional p | on for each category and reference the source in the spa pages) | ce |
| See copy of a | over letter | |
| Lobe Michigan | is a designated public water s | upply |
| | | |
| | | |
| | | |

AXIV-15



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 logiams 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 U5/2 | 9 / 02 | ime | | 10:55 |
|---|--|--------------------|-------------------------------|-------------------------|
| Assessment Observer | Wasik | | | . : |
| Waterbody Des | Plaines River | | | |
| CSO Number13 | Distance Be | low CSO (ft) 50 | 200 | (circle one) |
| Assessment Location | Facing Upstream | EFT CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL RU | N RIFFLE | | (circle one) |
| Water Depth (ft) | 1.2 | Channel Width (ft) | | 129 |
| Water Level | LOW NORMA | HIGH FLOO | DDED | (circle one) |
| Man-made Structures | DAM RIPRAF | BRIDGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | ecity) | (circle one) |
| Channelization | YES NO | | ooly) | |
| Bank Erosion | SLIGHT MODER | SEVERE | | (cirde one) |
| Logjam or Debris Bu | ild-up YE | S NO | (circle | e one) |
| Physical Obstacle Pre (If YES, describe obst | | s 🗊 NO | (circle | e one) |
| Aquatic Vegetation Sanitary Waste Odor i | YES NO If YES, is vegetation No Water YES | FLOATING | ATTA(| CHED (circle one) |
| Sanitary Debris on Ba | nks YES | NO (circl | e one) | |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm diameter) Gravel (2mm to <16mm Cobble (16mm to <256m Boulder (>256mm diameter) Bedrock or Concrete | nm diameter) | % - % - % - % - % | |
| Sediment Color | Brown | Sediment Odor | | Septic |
| Oil in Sediment | NONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet u | using 1 inch diameter probe) | 0.8 | | |
| | GRASSLANDRBAN RESIDENTIAL | % WETLA % FORES | | % % |
| URBAN COMMI | ERCIAL/INDUSTRIAL | % ROW C | ROPS | % |
| OTHER (Specifi | 1) | % | | Remarks on reverse side |

| Additional Remarks | N 41d 59m 41.8s W87d 51m 30.3s | | | | | | | | |
|--------------------|--------------------------------|--|--|--|--|--|--|--|--|
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| Date 05 / 29 / 0 | 2 | Time | 11:00 |
|--|--|-------------------------------|-------------------------------------|
| Assessment Observer | Wasik | | |
| Waterbody Des Plai | nes River | | |
| CSO Number 131 | Distance Below CSO (ft | 50 | 200 (circle one) |
| Assessment Location Fac | ing Upstream LEFT C | ENTER RIC | GHT (circle one) |
| Channel Habitat | POOL RUN | RIFFLE | (circle one) |
| Water Depth (ft) | 3 Channe | el Width (ft) | 129 |
| Water Level | LOW NORMAL HIGH | FLOODE | ED (circle one) |
| Man-made Structures | DAM RIPRAP B | RIDGE LE | VEE ISLAND |
| 2 A | SHEET PILINGS OTHE | R | (circle one) |
| Channelization | YES NO | circle one) | |
| Bank Erosion SLI | GHT MODERATE | SEVERE | (circle one) |
| Logjam or Debris Build-I | up YES C | NO · | (circle one) |
| Physical Obstacle Preven (If YES, describe obstacle) | - ~ | NO | (circle one) |
| Aquatic Vegetation | YES TO NO FLOA | TING | ATTACHED (circle one) |
| Sanitary Waste Odor in W | ater YES NO | (circle one | 1 |
| Sanitary Debris on Banks | YES NO | (circle one |) |
| Sediment Compostion (Visual Observation) | Mussel Shells Clay | 10 | % |
| , | Silt (Organic) | | % |
| e e | Sand (<2mm diameter) | 85 | % % |
| | | 85 5 | % |
| | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) | | % % % % |
| Southwest Color | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete | 5 | % % % % % |
| Sediment Color | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Brown Sedin | 5 | % % % % % None |
| Oil in Sediment NO | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Brown Sedin | nent Odor | % % % % % |
| | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Brown Sedin | 5 | % % % % None EAVY (circle one) |
| Oil in Sediment NO Depth of Fines (In feet using Riparian Land Use | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Brown Sedin ONE LIGHT MODER 11 inch diameter probe) GRASSLAND % | nent Odor RATE HE 0.1 WETLAND | % % % % None EAVY (circle one) |
| Oil in Sediment NO Depth of Fines (In feet using Riparian Land Use | Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Brown Sedin ONE LIGHT MODER 11 inch diameter probe) GRASSLAND % AN RESIDENTIAL % | nent Odor RATE HE | % % % % % None EAVY (circle one) % |

| Date 05 | /29/02 | | | Time | | 11:05 |
|--|---|-------------------------|----------------|---|--|-------------------------|
| Assessment Obser | ver Wasik | | | | | |
| Waterbody D | es Plaines Ri | /er | | *************************************** | | |
| CSO Number | 131 | Distance Be | low CSO (f | t) 50 | 200 | (circle one) |
| Assessment Locati | on Facing Ups | tream L | EFT C | ENTER C | RIGHT | (circle one) |
| Channel Habitat | POOL | > RU | N | RIFFLE | Ē | (circle one) |
| Water Depth (ft) | 1.5 | | Chann | el Width (ft |) | 129 |
| Water Level | LOW | NORMA | D HIGH | FLO | ODED | (encle one) |
| Man-made Structur | es DAM | RIPRAF |) Е | BRIDGE | LEVEE | ISLAND |
| | SHEE | T PILINGS | OTH | | реску) | (circle one) |
| Channelization | YES | < NO | \geq | (circle one) | , | |
| Bank Erosion | SLIGHT | MODER | ATE | SEVERE | = | (circle one) |
| Logjam or Debris | Build-up | YE | s (| NO |) (circle | e one) |
| Physical Obstacle I (If YES, describe | _ | cess YE | | NO |) (circle | e one) |
| Aquatic Vegetation | | ¬ NO , is vegetation | | ATING | ATTA | CHED (circle one) |
| Sanitary Waste Od | or in Water | YES | NO |) (cir | cle one) | |
| Sanitary Debris on | Banks | YES | NO |) (cin | cle one) | |
| Sediment Compost (Visual Observation) | Clay Silt (Or Sand (Grave Cobble Boulde | | m diameter) | 95 | - % - % - % - % - % - % | |
| Sediment Color | Dark g | ay | Sedir | nent Odor | | Septic |
| Oil in Sediment | NONE | LIGHT | MODE | RATE | HEAVY | (circle one) |
| Depth of Fines (In fe | et using 1 inch di | ameter probe) | | 2.6 | | |
| Riparian Land Use (Visual Observation) URBAN CON | GR URBAN RES IMERCIAL/INI | IDENTIAL | 10 % % % | WETLA FORES ROW 0 | ST | 90 % % |
| OTHER (S | pecify) | | % | | | Remarks on reverse side |

| Date | 05/29/0 | 2 | | | | Time | | 11:15 | |
|--|--------------|-------------------------------|-------------------|-----------------------------------|-------------------|---------------|-----------------------|------------|--------------|
| Assessment Obs | erver | Wasik | | | | | | | |
| Waterbody | Des Plai | nes Rive | Г | | | | | | |
| CSO Number | 131 | | Distance | Below (| CSO (fi | 50 | 200 |) (circle | e one) |
| Assessment Loca | ation Fac | ing Upstr | eam 🤇 | LEFT | \supset \circ | ENTER | RIGHT | (circle | e one) |
| Channel Habitat | | POOL | > . | RUN | | RIFFLE | • | (circle | a one) |
| Water Depth (ft) | | 0.8 | | | Chann | el Width (ft |) | 129 | |
| Water Level | | LOW | NOR | MAL | HIGH | FLO | ODED | (circl | e one) |
| Man-made Struct | ures | DAM | RIPE | RAP | В | RIDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHE | | pecify) | (circl | e one) |
| Channelization | | YES | | NO |) (| (circle one) | | • | |
| Bank Erosion | SLI | GHT | (MOD | ERATE | > | SEVER | Ē | (circl | e one) |
| Logjam or Debri | s Build-u | ıb | | YES | > | NO | (circle | one) | |
| Physical Obstacle (If YES, describ | | - | ss | YES 4 | ♪ < | NO |) (circle | one) | |
| Aquatic Vegetation | on | YES = | रा s vegetati | NO on | FLOA | TING | ATTA | CHED | (circle one) |
| Sanitary Waste C | dor in W | ater | YES | | NO |) (cir | rcie one) | | |
| Sanitary Debris o | n Banks | | YES | | NO |) (cir | cle one) | | |
| Sediment Compo (Visual Observat | | Gravel (Cobble de Boulder | | mm diame 256mm dia iameter) | ameter) | 5 60 35 | % % % % % | | |
| Sediment Color | | Brown | | | Sedir | nent Odor | | Earthy | |
| Oil in Sediment | NO | ONE | LIGHT | ī | MODE | RATE | HEAVY | (circ | le one) |
| Depth of Fines (In | n feet using | 1 inch diar | neter probe) | | | 0.7 | | | |
| Riparian Land Us (Visual Observation) | URB | AN RESI | SSLAND DENTIAL | | -% -% | WETL/ FORE | ST | 100 | _% _% |
| URBAN CO | | IAL/IND | USTRIAL . | | % | ROW | CROPS | | _% |
| OTHER | (Specify) | | | | % | | | Remarks on | reverse side |

| Additional Remarks | N 41d 59m 40.5s W87d 51m 29.1s | | | | | | |
|--|--------------------------------|--|--|--|--|--|--|
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| Date 05 / 29 / | 02 | | | Time | | 11:20 |
|---|------------------------|--|----------|----------------|---------------------------------|-------------------------|
| Assessment Observer | Wasik | | | | | |
| Waterbody Des P | aines River | | | | | |
| CSO Number 131 | Dis | tance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Location Fa | cing Upstream | LEF | T CEI | NTER | RIGHT | (circle one) |
| Channel Habitat C | POOL | RUN | | RIFFLE | | (circle one) |
| Water Depth (ft) | 5.5 | | Channel | Width (ft) | | 129 |
| Water Level | LOW C | NORMAL | HIGH | , FLO | DDED | (circle ane) |
| Man-made Structures | DAM | RIPRAP | BR | IDGE | LEVEE | ISLAND |
| | SHEET PILI | NGS | OTHER | | ecity) | (circle one) |
| Channelization | YES | NO |) (circ | de one) | | |
| Bank Erosion S | LIGHT < | MODERATE | | SEVERE | | (circle one) |
| Logjam or Debris Build | l-up | YES | | NO | (circle | one) |
| Physical Obstacle Preve (If YES, describe obstac | - | YES | _î < | NO | (circle | one) |
| Aquatic Vegetation | YES च If YES, is ve | NO | FLOAT | ING | ATTAC | CHED (circle one) |
| Sanitary Waste Odor in | Water YE | s < | NO |) (circl | e one) | |
| Sanitary Debris on Bank | s YE | S | NO | (circ | e one) | |
| Sediment Compostion (Visual Observation) | Cobble (16m | diameter) n to <16mm diam nm to <256mm d 56mm diameter) | - | 20 | - % - % - % - % - % | |
| Sediment Color | Brown | | Sedime | ent Odor | | Fishy |
| Oil in Sediment | NONE L | IGHT | MODERA | TE | HEAVY | (circle one) |
| Depth of Fines (in feet usi | ng 1 inch diamete | r probe) | | 0.1 | | |
| Riparian Land Use (Visual Observation) UR | GRASSI BAN RESIDEN | | _% _% | WETLA FORES | • | % % |
| URBAN COMME | RCIAL/INDUST | RIAL | % | ROW C | ROPS | % |
| OTHER (Specify) | | | % | | | Remarks on reverse side |

| Date 0 | 5 / 29 / 0 | 2 | | | | Time | | | 11 : 25 | · · |
|--|--------------|-------------|--|--------------------|----------|---------------|----------------------|-----------------------|-----------|---|
| Assessment Obs | erver | Wasik | | | | | | | | |
| Waterbody | Des Plai | nes Rive | r | | | | | | | |
| CSO Number | 131 | | Distance | Below | CSO (| ft) 50 |) | 200 |) (cin | cle one) |
| Assessment Loca | ation Faci | ng Upstr | eam | LEF | T . C | CENTER | | RIGHT | , (cin | cle one) |
| Channel Habitat | | POOL | > | RUN | | RIFF | LE | | (cir | cle one) |
| Water Depth (ft) | | 2 | | | Chan | nel Width | (ft) _ | | 129 | |
| Water Level | | LOW | NOR | MAL | HIG | H F | LOO | DED | (cin | cle one) |
| Man-made Struct | ures | DAM | RIPF | RAP | İ | BRIDGE | l | EVEE | | ISLAND |
| | | | PILINGS | | ОТН | IER | (Spec | ny) | (cir | cle one) |
| Channelization | | YES | | NO | > | (circle one) | | | | |
| Bank Erosion | SLI | 3HT | (MOD | ERATI | | SEVE | RE | | (cir | cle one) |
| Logjam or Debri | s Build-u | ıp | | YEŞ | > | NO | | (circle d | one) | |
| Physical Obstacle (If YES, describ | | | ss | YES | <u></u> | NO | \geq | (circle d | one) | State plant for rather the regularly after residence in |
| Aquatic Vegetation | on. | YES = | 可 s vegetati | NO on |) FLO | ATING | | ATTAC | HED | (circle one) |
| Sanitary Waste C | dor in W | ater | YES | < | NO | \supset | (circle | one) | | |
| Sanitary Debris o | n Banks | | YES | | NO | > . | (circle | one) | | |
| Sediment Compo (Visual Observat | | Gravel (| inic) 2mm diamete 2mm to <16i (16mm to <2 (>256mm di | mm diam 256mm d | | 9(| | % % % % % | | |
| Sediment Color | | Brown | | | Sed | iment Od | or | | Septio | |
| Oil in Sediment | NC | NE (| LIGHT | > | MODE | RATE | | HEAVY | (ci | rcle one) |
| Depth of Fines (In | n feet using | 1 inch diar | neter probe) | | | 1. | .1 | | | |
| Riparian Land Us (Visual Observation) | URBA | N RESI | SSLAND DENTIAL JSTRIAL | 20 | _% _% | FOF | TLAN REST W CR | - | 80 | _% _% |
| OTHER | (Specify) | | | | % | | | - | Remarks o | n reverse side. |



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: 6-18-02 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 0 20 460 0 Date Due: 7-18-0 2 |
|---|--|
| Applicant Name: MWRDGC Contact Person: Richard Hanyon Applicant Address: 100 East Enix Strat Chicago IL 60611-315 | E-mail: |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name: TL 60 28053 Discharge Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): 4 C Brief Description of Proposed Action: Sans Minus | and the second s |
| Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this acti Policy Act will apply. Contact the funding agency or this | on? [Yes 105] If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: TEP Contact: Address: | A/Bow/Pennits Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endangls consultation terminated? Comments: | |
| Evaluated by: Signature on file Division of Resource Review and Coordination (217) 78 | Date: 10-22-62 |

Copies to Visit our website at http://dnr.state.il.us/orep/nrrc/nrrc.htm

Richard hany ox AXV-10



IN REPLY REFER TO

FWS/AES-CIFO (T1092)

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)



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.

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

| Name of Responding Organization: | V.S. Fish + Wildlife Service |
|--|--|
| Name of Person Responding: | Shawa Cirton |
| Address: | 1250 5. Grove Av., Suite 103 |
| | Barrington, IL 60010 |
| | |
| Telephone Number: | 847-381-2253 xt.236 |
| Signature of respondent: | _Signature on file |
| | NPDES Permit Number IL0028053 Discharge Number 131 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not fall g categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| (3) Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
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| we want place again to the found on a complete the the the attribute of the foundation of the Attribute of t | The contract of the contract o |
| | T by |
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| | AXV-13 |

| Name of Responding Organization | Illinois EPA |
|---|---|
| Name of Person Responding: | Robert Mosher |
| Address: | |
| | |
| | |
| • | |
| Telephone Number: | |
| Signature of respondent: | _/ <signature file<="" on="" td=""></signature> |
| est de la companya de | |
| | NPDES Permit Number IL0028053 Discharge Number 131 |
| We have examined our records and within one or more of the following | d determined that the subject discharge does_/ does not_fall g categories of sensitive areas: |
| (Circle all categories that t | apply) |
| 1 Designated Outstanding | g National Resource Waters |
| National Marine Sanct | naries |
| Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ontact recreation |
| 6. Public drinking water i | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentatio provided below or on additional p | n for each category and reference the source in the space pages) |
| See copy of con | ar Letter |
| | 10 פעזא. כוומס: |
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| | AXV-14 |
| | 4441-17 |



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:

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Sincerely,

Signature on file

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

RM:jaf/lanyonil28061

Attachment



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.

Signature on file

Joseph A. Saccomanno Director of Public Works

JAS/tr

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|--|---|--|
| Name of Responding Organization: | Loe Saccomanno | The region of the control of the con |
| Name of Person Responding: | Joe Saccomanno | |
| Address: | 505 Buller Place | |
| | Park Ridge, Il 60 | 1068 |
| | 7. | |
| | | |
| Telephone Number: | Signature on file | |
| Signature of respondent: | Signature on file | CARROL STANSON EL MANAGEMENT |
| . % | | |
| | NPDES Permit Number IL0028053 Discharge Number 131 | |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does g categories of sensitive areas: | not_fall |
| (Circle all categories that a | apply) | |
| 1. Designated Outstanding | National Resource Waters | |
| 2. National Marine Sanctu | aries | |
| 3. Waters with threatened | or endangered species and their habitat | |
| 4. Shellfish beds | | |
| 5. Waters with primary co | ntact recreation | |
| Public drinking water in | ntakes or their designated protection areas | |
| Our determination is based on the | enclosed documentation: | |
| (Supply supporting documentation | n for each category and reference the source in the | space |
| provided below or on additional po | | • |
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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 logiams 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.

| Date 0 | 2 . | | | | Time | | 11:55 | | |
|---|------------|---|------------------------------------|---------------------------------|-------------|-------------------------|-------------------------------|------------|----------------|
| Assessment Obse | erver | Wasik | | | | | | | 40 |
| Waterbody | Des Plai | nes Rive | г | | | | | × | |
| CSO Number | 132 | | Distance B | elow CS | (ft) | 50 | 200 | (circl | e one) |
| Assessment Local | tion Faci | ing Upstr | eam $<$ | LEFT | > CEI | NTER | RIGHT | · (circl | e one) |
| Channel Habitat | | POOL | R | | | RIFFLE | | (circl | e one) |
| Water Depth (ft) | | 1.7 | | C | nannel | Width (ft) | | 102 | |
| Water Level | | LOW | NORM | AL) I | HIGH | FLO | ODED | (circl | e one) |
| Man-made Structu | ıres | DAM | RIPRA | P | BR | IDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHER | (Sp | вспу) | (circl | e one) |
| Channelization | | YES | ○ N | $ \ge $ | (circ | de one) | 30.553 | | |
| Bank Erosion | SLI | GHT | MODE | RATE | > | SEVERE | | (circl | a one) |
| Logjam or Debris | Build-u | 1p | CYI | | | NO | (circle | one) | 20 20 |
| Physical Obstacle (If YES, describe | | Carana and | ss Yi | ES =₹ | , <u> </u> | NO | (circle | one) | |
| Aquatic Vegetation | n | YES = | No Negetation | | LOAT | ING | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in W | ater | YES | | 10 |) (circ | e one) | | |
| Sanitary Debris or | n Banks | | YES | | 10 | (circ | le one) | | |
| Sediment Compos (Visual Observation | | Gravel (Cobble (Boulder | 12 | n diamete imm diam neter) | - T | 100 | % - % - % - % - % | | e v |
| Sediment Color | | Brown | | | 3edime | ent Odor | | Septic | |
| Oil in Sediment | NO | ONE | LIGHT | MC | DDERA | TE | HEAVY | (circ | ie one) |
| Depth of Fines (In | feet using | 1 inch diar | neter probe) | _ | | 0.8 | | | 3 |
| Riparian Land Use (Visual Observation) URBAN CO | URB/ | AN RESI | SSLAND _ DENTIAL _ JSTRIAL _ | | % % % | WETLA FORES ROW C | Т | 20 | -% -% -% |
| OTHER | (Specify) | | | | % | | | Remarks on | reverse side |

| Additional Remarks | N 41d 59m 7.8s W 87d 51m 23.5s | | | | | | | |
|--|--------------------------------|--|--|--|--|--|--|--|
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| Date | 05/29/ | J2 | - | | Time | | 12:00 | |
|-------------------------------------|---------------|--|---------------|--|----------------|-------------------------------|---------------------------------------|--|
| Assessment Obs | server | Wasik | | | | | , | |
| Waterbody | Des Pla | ines Rive | r. | | | | i. | |
| CSO Number | 132 | | Distance Be | elow CSO (| ft) 50 | 200 | (circle one) | |
| Assessment Loc | ation Fac | ing Upstr | eam | LEFT C | ENTER | RIGHT | (circle one) | |
| Channel Habitat | | POOL | RI | JN | RIFFLE | | (circle one) | |
| Water Depth (ft) | | 4.9 | | Chann | nel Width (ft) |) | 102 | |
| Water Level | | LOW | NORMA | HIGH | H FLO | ODED | (circle one) | |
| Man-made Struc | tures | DAM | RIPRA | P I | BRIDGE | LEVEE | ISLAND | |
| # o | | SHEET | PILINGS | отн | | | (circle one) | |
| Channelization | | YES | ○ NO | | (circle one) | becity) | * | |
| Bank Erosion | SLI | GHT | MODE | RATE | SEVERE | | (circle one) | |
| Logjam or Debr | ris Build- | цр | YE | s c | NO |) (circle | one) | |
| Physical Obstact (If YES, descri | | 20 N. W. | ess YE | s =J | NO | (circle | one) | |
| Aquatic Vegetati | on | | is vegetation | Name and Address of the Owner, when the Parket of the Owner, when the Owner, which th | ATING | ATTA | CHED (circle one) | |
| Sanitary Waste | Odor in W | /ater | YES | NO |) (circ | de one) | N 3 | |
| Sanitary Debris | on Banks | | YES | NO | (circ | de one) | 9. | |
| Sediment Compo (Visual Observe | | Gravel (Cobble Boulder | | mm diameter) neter) | 90 | % - % - % - % - % | e e e e e e e e e e e e e e e e e e e | |
| Sediment Color | E | Brown/Bla | nck | Sedi | ment Odor | | None | |
| Oil in Sediment | N | ONE | LIGHT | MODE | RATE | HEAVY | (circle one) | |
| Depth of Fines (I | In feet using | 1 inch dia | meter probe) | 10 | 0.2 | | | |
| Riparian Land U | se | GRA | SSLAND_ | % | WETLA | ND | % | |
| (Visual Observation) | | | DENTIAL | % | FORES | | % | |
| URBAN C | | CIAL/IND | USTRIAL | % | ROW | ROPS | % | |
| OTHER | (Specify) | | | % | | | Remarks on reverse side | |

| Date 0 | 5 / 29 / 02 | 2 | | | | Time | | 12:05 | |
|--|-------------|----------------------------------|--------------|-------------------------------|----------|----------------|---------------------------------|------------|--|
| Assessment Obs | erver | Wasik | | | | | | | Milled Image has benefic a strength of 200 date his billions after |
| Waterbody | Des Plair | nes Rive | r | | | | | | Mary majority argue afficiaming stajenography and |
| CSO Number | 132 | | Distance | Below | CSO (ft) | 50 | 200 | (circ | de one) |
| Assessment Loca | ation Facil | ng Upstre | eam | LEFT | r ce | ENTER < | RIGHT |) (circ | cle one) |
| Channel Habitat | | POOL | | RUN | > _ | RIFFLE | | (circ | cle one) |
| Water Depth (ft) | | 1.9 | | | Channe | l Width (ft) | | 102 | |
| Water Level | | LOW | NORM | VAL. | HIGH | FLO | ODED | (cin | de one) |
| Man-made Struct | ures | DAM | RIPR | AP | В | RIDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHE | | ecity) | (circ | cle one) |
| Channelization | | YES | | 10 | > (| ircle one) | , | | |
| Bank Erosion | SLIC | SHT | < MOD | ERATE | | SEVERE | | (cin | cle one) |
| Logjam or Debri | s Build-u | р . | | YES | > | NO | (circle | e one) | ~ |
| Physical Obstacle (If YES, describ | | - | ss ` | YES (| IJ, < | NO | (circle | eno e | · |
| Aquatic Vegetation | | YES = | s vegetation | NO on | FLOA | TING | ATTA | CHED | (circle one) |
| Sanitary Waste O | dor in Wa | ater | YES | | NO |) (cárc | le one) | | |
| Sanitary Debris o | n Banks | | YES | | NO |) (circ | le one) | | |
| Sediment Compo (Visual Observati | ion) | Gravel (2 Cobble (Boulder | | nm diam 56mm di ameter) | - | 30 70 | - % - % - % - % - % | | |
| Sediment Color | | Brown | | | Sedim | ent Odor | | None | |
| Oil in Sediment | NO | NE | LIGHT | - 1 | MODER | ATE | HEAVY | (cir | rcie one) |
| Depth of Fines (In | feet using | 1 inch dian | neter probe) | | | 0.03 | | | |
| Riparian Land Us (Visual Observation) | URBA | N RESID | - | 50 | _% | WETLA FORES | T | 50 | _% _% |
| URBAN CO | | AL/INDL | ISTRIAL_ | - | _% | ROW C | ROPS | | _% |
| OTHER | (Specify) | | | | _% | | | Remarks on | reverse side |

| Date | 101201 | <i>52</i> | - | | | 1.0 | 116 | | 12. | 07 |
|---|---------------|--|--------------|----------|---------|-------------|-----------|----------|----------|----------------------------|
| Assessment Obs | erver | Wasik | | | | | | | | |
| Waterbody | Des Pla | ines Rive | г | | | 2. | | | | |
| CSO Number | 132 | _ | Distance I | Below (| CSO (f | ft) | 50 | 200 | > | (circle one) |
| Assessment Loca | ation Fac | ing Upstr | eam < | LEFT | | ENTE | R | RIGHT | | (circle one) |
| Channel Habitat | | POOL | F | RUN | > | RI | FFLE | | | (circle one) |
| Water Depth (ft) | | 2.5 | | | Chann | nel Wid | Ith (ft) | - | 90 | |
| Water Level | | LOW | NORM | IAL | HIGH | 4 | FLO | DDED | | (circle one) |
| Man-made Struct | ures | DAM | RIPR | AP | | BRIDG | D | LEVEE | | ISLAND |
| | S * -1 | SHEET | PILINGS | | ОТН | ER_ | | еспу) | | (circle one) |
| Channelization | | YES | > 1 | 10 | | (circle one | 2000 | өсіу) | | |
| Bank Erosion | SLI | GHT . | MODI | ERATE | | SEV | /ERE | | | (circle one) |
| Logjam or Debri | s Build- | up | Y | /ES | (| N | \supset | (circle | (eno e | |
| Physical Obstacle (If YES, describ | | The state of the s | | /ES = | ₹). | NO | <u> </u> | (circle | one) | |
| Aquatic Vegetation | on . | YES = | ₹ vegetatio | NO on | FLO | ATING | | ATTA | CHED |) (c irc le one |
| Sanitary Waste C | dor in V | later | YES | | NO | \geq | (circl | e one) | | |
| Sanitary Debris o | n Banks | | YES | | NO | \geq | (circl | e one) | | |
| Sediment Compo | | Plant De | ebris | | • 1 | _ | - | - % % | Botto | m scoured |
| *************************************** | | Silt (Orga | inic) | * | | | - | - % | | |
| | | | 2mm diamete | r) | | | | % | | |
| | 2 | Gravel (| 2mm to <16m | ım diame | eter) | | | % | | |
| | | Cobble | (16mm to <25 | 66mm dia | ameter) | | | % | | |
| | | | (>256mm dia | | | | | % | | |
| | | Bedrock | or Concre | te | | | | - % | | |
| Sediment Color | | | | | Sedir | ment C | Odor | | | |
| Oil in Sediment | N | ONE | LIGHT | N | MODE | RATE | | HEAVY | | (circle one) |
| Depth of Fines (In | n feet using | 1 inch diar | neter probe) | | | | 0 | | | |
| Riparian Land Us | se | GRA | SSLAND_ | | _% | W | ETLA | ND | 22000000 | % |
| (Visual Observation) | URB | AN RESI | DENTIAL | | % | F | DRES | T | | % |
| URBAN CO | OMMER | CIAL/IND | JSTRIAL _ | | _% | R | ow c | ROPS. | | % |
| OTHER | (Specify) | Highwa | y bridge | 100 | % | | | | Remark | s on reverse side |

| Additional Remarks | Sampling location is un | Sampling location is under highway bridge. Concrete walls block | | | | | | | |
|---------------------------|-------------------------|---|--|--|--|--|--|--|--|
| access to waterway for 12 | 25 feet. N 41d 59m 5.6s | W 87d 51m 29.9s | | | | | | | |
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| | | | Professional Company of the Company | | | | | | |
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Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date | J5 / Z9 / L | 12 | , | | rime | | 12:10 |
|--------------------------------------|--------------|----------------------------------|------------------------|-----------------------|----------------------|---------------------------------|-------------------------|
| Assessment Obs | erver | Wasik | | | | | |
| Waterbody | Des Pla | ines Rive | | | | | · |
| CSO Number | 132 | | Distance Be | low CSO (fi | 50 | 200 | (circle one) |
| Assessment Loc | ation Fac | ing Upstre | eam l | EFT © | ENTER | RIGHT | . (circle one) |
| Channel Habitat | | POOL | RU | N | RIFFLE | | (circle one) |
| Water Depth (ft) | | 3.1 | | Chann | el Width (ft) | | 90 |
| Water Level | | LOW | NORMA | D HIGH | FLO | ODED | (circle one) |
| Man-made Struc | tures | DAM | RIPRAF | | RIDGE | LEVEE | ISLAND |
| | | SHEET | PILINGS | OTHE | | еспу) | (circle one) |
| Channelization | | YES |) NO |) | circle one) | ecily) | |
| Bank Erosion | SLI | GHT | MODER | RATE | SEVERE | | (circle one) |
| Logjam or Debr | is Build- | qı | YE | s (| NO | (circle d | one) 🖑 |
| Physical Obstacl (If YES, descrit | | - | ss YE e walls under br | - | NO | (circle o | one) |
| Aquatic Vegetation | on | YES = | NO s vegetation | | TING | ATTAC | CHED (circle one) |
| Sanitary Waste 0 | Odor in W | ater | YES | NO |) (circ | le one) | |
| Sanitary Debris | on Banks | | YES | NO |) (circ | le one) | |
| Sediment Compo (Visual Observa | | Gravel (2 Cobble (Boulder | | nm diameter) eter) | 70 10 10 10 | - % - % - % - % - % | |
| Sediment Color | | Brown | | Sedir | nent Odor | | Fishy |
| Oil in Sediment | NO | ONE | LIGHT | MODE | RATE | HEAVY | (circle one) |
| Depth of Fines (I | n feet using | 1 inch dian | neter probe) | | 0.1 | | |
| Riparian Land U | se | GRA | SSLAND | % | WETLA | ND _ | % |
| (Visual Observation) | | AN RESI | | % | FORES | | % |
| URBAN C | | CIAL/IND | JSTRIAL | % | ROW | ROPS | <u></u> % |
| OTHER | (Specify) | | | % | | ı | Remarks on reverse side |

| Date 0 | 5/29/0 | 2 | | | Ti | me . | | 12 : 15 | |
|---|--------------|-----------------------------|------------------------|-------------|--------------|----------------|-------------------------------|---------|-----------------|
| Assessment Obs | erver | Wasik | | | | | | | |
| Waterbody | Des Plai | nes Rive | r | | | | | | |
| CSO Number | 132 | | Distance Be | low CSC | (ft) C | 50 | 200 |) (cir | rcie one) |
| Assessment Loca | ation Faci | ng Upstr | eam | LEFT | CENTE | ER < | RIGHT |) (cir | rcle one) |
| Channel Habitat | | POOL | RU | | Ri | IFFLE | | (cir | rcle one) |
| Water Depth (ft) | | 3.6 | | Ch | annel Wid | dth (ft) | | 90 | |
| Water Level | | LOW | NORMA | Д н | IGH | FLOC | DED | (cir | rcle one) |
| Man-made Struct | ures | DAM | RIPRA | Р (| BRIDG | | LEVEE | | ISLAND |
| | | SHEET | PILINGS | 0 | THER | (Spe | (спу) | (ci | rcie one). |
| Channelization | | YES |) NC |) | (circle on | ` : | , | | |
| Bank Erosion | SLI | GHT | MODE | RATE | SE | VERE | | (ci | rcle one) |
| Logjam or Debri | is Build-u | qı | YE | S. | \bigcirc N | \circ | (circle | one) | |
| Physical Obstacle (If YES, describ | | • | | | N | 0 | (circle | one) | |
| Aquatic Vegetation | on | YES = | ন্ <u>N</u> | | LOATING | 3 . | ATTA | CHED | (circle one) |
| Sanitary Waste C | dor in W | ater | YES | \sqrt{N} | \circ | (circle | e one) | | |
| Sanitary Debris | n Banks | | YES | \langle N | 0 | (circl | e one) | | |
| Sediment Compo (Visual Observa | | Gravel Cobble Boulder | | mm diame | | | % - % - % - % - % | Botton | n scoured |
| Sediment Color | | | | S | Sediment | Odor | | | |
| Oil in Sediment | N | ONE | LIGHT | MO | DERATE | = , | HEAVY | (0 | circie one) |
| Depth of Fines (I | n feet using | g 1 inch dia | meter probe) | _ | | 0 | | | |
| Riparian Land U (Visual Observation) | URB | AN RESI | ASSLAND _ DENTIAL _ | 9 | % F | VETLA FORES | т | | % % |
| URBAN C | OMMER | CIAL/IND | USTRIAL _ | | | ROWC | ROPS | | % |
| OTHER | (Specify) | Highwa | y bridge | 100 9 | % | | | Remarks | on reverse side |



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: 6-18-0 7 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 0 20 406 Date Due: 2-24-65 |
|--|--|
| Applicant Name: MWRDGC Contact Person: Richard Langen Applicant Address: 100 East Enia Street Chicago IL 60611-315+ | Phone: 312-751-56 ° U Fax: E-mail: |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name: The color of Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): Brief Description of Proposed Action: Sensitive | 132 County: Cook |
| Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this act Policy Act will apply. Contact the funding agency or this | ion? [Yes (50)] If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: TEP & Contact: Address: | Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endan Is consultation terminated? Comments: | |
| Evaluated by: Signature on file Division of Resource Review and Coordination (217) 7 | Date: 10-22-02 |

Copies to: File
Richard Laryon



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.

Signature on file

Christopher B. Burke, PhD, PE President

Encl. as noted

cc: Michael J. Raimondi, Superintendent of Public Works

| Name of Responding Organization | VILLAGE OF Rosemont |
|--|--|
| Name of Person Responding: | Christopher B. Burke P.E., M.D., Village Consulting Engineer |
| Address: | 9575 W. Higgins Road |
| | Suite 600 |
| | Rosemant IL 60018 |
| Telephone Number: | 847-823-0500 |
| Signature of respondent: | (Signature on file |
| | |
| | NPDES Permit Number IL0028053 Discharge Number 132 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not X fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | aries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| Public drinking water in | atakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional po | n for each category and reference the source in the space ages) |
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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 logiam 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.

| Date | 05/29/0 |)2 | 10 | | | Time | | 12:50 | |
|----------------------|---------------|------------------|-----------------------------|------------|---------|------------|------------|----------------|--------------|
| Assessment Obs | server | Wasik | | | y. | | 10 | | |
| Waterbody | Des Pla | ines Rive | <u> </u> | | E | | 23 | | |
| CSO Number | 133 | | Distance E | Below C | SO (ft) | 50 | 200 | (circle o | ne) |
| Assessment Loc | ation Fac | ing Upstr | eam C | LEFT |) CE | NTER | RIGHT | (circle o | ine) |
| Channel Habitat | | POOL | F | RUN | , | RIFFLE | | (circle o | ne) |
| Water Depth (ft) | | 1.8 | | | hannel | Width (ft) | | 90 | 1 |
| Water Level | | LOW | NORM | IAD | HIGH | FLO | ODED | (circle o | one) |
| Man-made Struc | tures | DAM | RIPR | AP | BR | IDGE | LEVEE | , | SLAND |
| | | SHEET | PILINGS | F., | OTHER | | ecivi | (circle o | ne) |
| Channelization | | YES | | 10 | (cir | cie one) | ecily) | (= 4/5 | |
| Bank Erosion | SLI | GHT | MODE | ERATE | | SEVERE | | (circle o | one) |
| Logjam or Debi | ris Build- | up qu | CY | 'ES |) | NO | (circle | one) | |
| Physical Obstac | | | ss Y | ŒS = | ı < | NO | (circle | one) | |
| Aquatic Vegetati | on . | YES = | s vegetatio | 10)n | FLOAT | ING | ATTA | CHED | (circle one) |
| Sanitary Waste | Odor in W | later . | YES | | NO |) (circ | le one) | | |
| Sanitary Debris | on Banks | | YES | | NO | (ctrc | ie one) | 110 S | |
| Sediment Comp | | Mussel S Clay | Shells | 1,000 CENT | 5 | 80. | - % - % | | |
| 180 18 14 | | Silt (Orga | | | | | - % | | |
| | | | 2mm diameter 2mm to <16m | | - w\ | 10 | - % | | |
| | | | 16mm to <25 | | | 10 | - % | | |
| | 4 4 | | (>256mm dia | | | | - % | | |
| | | Bedrock | or Concre | te | | | % | | |
| Sediment Color | | Brown | | | Sedime | ent Odor | | None | |
| Oil in Sediment | NO | ONE | LIGHT | M | ODERA | ATE | HEAVY | (circle | one) |
| Depth of Fines (| In feet using | 1 inch diar | neter probe) | 3 | | 1.3 | | *2 | |
| Riparian Land U | ise | GRA | SSLAND_ | 80 | % | WETLA | ND | | % |
| (Visual Observation) | URB | AN RESI | DENTIAL | | % | FORES | T | 20 | % |
| URBAN C | OMMER | CIAL/IND | JSTRIAL_ | | % | ROW C | ROPS | | % |
| OTHER | ₹ (Specify) | <i>i</i> | | | % | | | Remarks on rev | verse side |

| Additional Remarks | N 41d 58m 20.6s W87d 51m 18.6s | turnin partition (POSE State of | |
|--|---------------------------------------|---|--|
| Approximately 25-50% of mussel shells are live | | | |
| | | maning the difference of the State September 19 | |
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Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date 0372970 | 12 | ime | | 13:00 |
|--|--|--------------------|---------|---------------------------------------|
| Assessment Observer | Wasik | | | ¥2 |
| Waterbody Des Pla | ines River | | | 3 3 |
| CSO Number 133 | Distance Below | v CSO (ft) 50 | 200 | (circle one) |
| Assessment Location Fac | ing Upstream LEF | T 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 FLO | ODED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PILINGS | OTHER | Decity) | (circle one) |
| Channelization | YES NO | (circle one) | pecify) | |
| Bank Erosion SLI | GHT MODERAT | TE SEVERE | | (circle one) |
| Logjam or Debris Build- | up YES | NO | (circle | one) |
| Physical Obstacle Preven (If YES, describe obstacle | • | ₫ NO | (circle | one) |
| Aquatic Vegetation | YES TO NO If YES, is vegetation | FLOATING | ATTA | CHED (circle one) |
| Sanitary Waste Odor in W | /ater YES C | NO (circ | eno ek | |
| Sanitary Debris on Banks | YES | NO (circ | de one) | e e e e e e e e e e e e e e e e e e e |
| Sediment Compostion (Visual Observation) | Mussel Shells Clay | 50 | - % | * |
| 36 | Silt (Organic) | 40 | - % | |
| | Sand (<2mm diameter) | 10 | - % | 574-3 |
| # # 7: | Gravel (2mm to <16mm dia | | - % | |
| | Cobble (16mm to <256mm Boulder (>256mm diameter | | - % | * |
| * | Bedrock or Concrete | · | - % | TE . |
| Sediment Color | Brown | Sediment Odor | _ | None |
| Oil in Sediment No | ONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diameter probe) | 0.07 | | |
| Riparian Land Use | GRASSLAND | % WETLA | ND | % |
| | AN RESIDENTIAL | % FORES | ST | % |
| URBAN COMMERC | CIAL/INDUSTRIAL | % ROW 0 | CROPS | % |
| OTHER (Specify) | | <u></u> % | | Remarks on reverse side |

| Additional Remarks | Approximately 25-50% of mussel shells are live | | | | | | |
|--------------------|--|------|--|--|--|--|--|
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| 19.95 | 20 A B | | | | | | |

| Date 0 | 5/29/0 | 2 | | | Time | | 13:02 |
|--|--------------|---------------------------------|--------------------|------------|-------------------------|---------------------------------|-------------------------|
| Assessment Obs | erver | Wasik | | | ٠. | | |
| Waterbody | Des Plai | nes Rive | r | | | | : |
| CSO Number | 133 | | Distance Below | v CSO (ft) | 50 | 200 | (circle one) |
| Assessment Loca | ation Faci | ing Upstro | eam LEI | FT CE | NTER < | RIGHT | (circle one) |
| Channel Habitat | | POOL | RUN | > | RIFFLE | | (circle one) |
| Water Depth (ft) | | 1.4 | | Channe | Width (ft) | | 90 |
| Water Level | | LOW | NORMAL | HIGH | FLO | DDED · | (circle one) |
| Man-made Struct | ures | DAM | RIPRAP | BF | RIDGE | LEVEE | ISLAND |
| | | SHEET | PILINGS | OTHE | R | 82101 | (circle one) |
| Channelization | | YES | NO |) (ci | rcle one) | | |
| Bank Erosion | SLI | GHT | MODERA' | TE · | SEVERE | | (circle one) |
| Logjam or Debri | s Build-u | qι | YES | | NO: | (circle | one) |
| Physical Obstacle (If YES, describ | | • | | 3 | NO | (circle | one) |
| Aquatic Vegetation | on | YES = | NO NO s vegetation | FLOAT | TING | ATTAC | CHED (circle one) |
| Sanitary Waste C | dor in W | ater | YES C | NO |) (circ | le one) | |
| Sanitary Debris o | n Banks | | YES (| NO |) (circ | le one) | |
| Sediment Compo | | Gravel (Cobble (Boulder | | diameter) | 5 5 35 50 5 | - % - % - % - % - % | |
| Sediment Color | | Brown | | Sedim | ent Odor | | Musty |
| Oil in Sediment | NO | ONE | LIGHT | MODER | ATE | HEAVY | (circle one) |
| Depth of Fines (in | n feet using | 1 inch diar | neter probe) | - | 0.3 | | |
| Riparian Land Us (Visual Observation) | | | SSLAND | % % | WETLA FORES | | % % |
| URBAN CO | OMMERO | CIAL/INDI | JSTRIAL | % | ROWC | ROPS | % |
| OTHER | (Specify) | | | % | | | Remarks on reverse side |

| Date (| 05/29/0 |)2 | | | | Time | | 13:05 | |
|--------------------------------------|--------------|---------------|----------------------|---------|---------|------------|--------------|---------------|--------------|
| Assessment Obs | erver | Wasik | | | | | | | |
| Waterbody | Des Plai | ines Rive | - | | | | | | |
| CSO Number | 133 | | Distance E | Below C | SO (ft) | 50 | 200 | (circle o | one) |
| Assessment Loc | ation Fac | ing Upstre | eam (| LEFT | CE | NTER | RIGHT | (circle d | one) |
| Channel Habitat | | POOL | R | UN | | RIFFLE | | (circle o | one) |
| Water Depth (ft) | | 1.9 | | (| Channel | Width (ft) | | 78 | |
| Water Level | | LOW | NORM | IAL | HIGH | FLO | DDED | (circle | one) |
| Man-made Struc | tures | DAM . | RIPRA | AΡ | BR | IDGE | LEVEE | 1 | SLAND |
| | | SHEET | PILINGS | | OTHER | | BCITY) | (circle | one) |
| Channelization | | YES | $\langle V \rangle$ | 10 | (cir | rcle one) | | | |
| Bank Erosion | SLI | GHT) | MODE | RATE | | SEVERE | | (circle | ona) |
| Logjam or Debr | is Build-u | qu | Y | ΈS | | NO | (circle | one) | |
| Physical Obstacl (If YES, descrit | | • | ss Y | ES = | 1 C | NO |). (circle d | one) | |
| Aquatic Vegetation | on | YES = | s vegetatio | io n | FLOAT | ING | ATTAC | HED | (circle one) |
| Sanitary Waste C | Odor in W | ater | YES | | NO | Circle | le one) | | |
| Sanitary Debris of | on Banks | | YES | | NO |) (circl | le one) | | |
| Sediment Compo | | Plant De | ebris | | | 30 | % | | |
| (Visual Observa | tion) | Clay | ! | | | 70 | _ % _ % | | |
| : | | Silt (Orga | mic) ?mm diametei | r) | | | - % - % | | |
| | | | 2mm to <16m | | eter) | | - % | | |
| | | | 16mm to <25 | | meter) | | % | | |
| | | | (>256mm dia | | | | - % | | |
| Sediment Color | | | | ile | Cadina | | - 70 | Munh | |
| | NI NI | Dark gra | | | | ent Odor | HENIO | Musty | |
| Oil in Sediment | | ONE | LIGHT | N | MODER | | HEAVY | (circle | ona) |
| Depth of Fines (I | n teet using | j 1 inch diar | neter probe) | | | 2.3 | | | |
| Riparian Land U | | | SSLAND_ | 80 | _% | WETLA | | | % |
| URBAN C | | AN RESII | - | | -% | FORES | | 20 | % |
| | | -IAL/IND | JOINIAL _ | | _% | ROWC | | | % |
| OTHER | (Specify) | | | | _% | | | Remarks on re | ebis esnev |

| Additional Remarks | N 41d 58m 19.7s W 87d 51m 16.9s | | | | | |
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| Date | 05/29/0 | 2 | | | Time | | 13:08 | THE RESIDENCE AND DESCRIPTION OF |
|------------------------------------|---------------|-------------------------------|---------------------|-------------|----------------|-------------------------------|----------------|---|
| Assessment Obs | server | Wasik | | | | | | Name of the State |
| Waterbody | Des Plai | nes Rive | r | | | | | |
| CSO Number | 133 | | Distance Belo | w CSO (ft |) 50 | 200 | (circle or | ne) |
| Assessment Loc | ation Faci | ng Upstr | eam LE | FT C | ENTER | RIGHT | (circle or | ne) |
| Channel Habitat | | POOL | RUN | \geq | RIFFLE | | (circle or | na) |
| Water Depth (ft) | | 4.5 | | Channe | el Width (ft) | | 78 | |
| Water Level | ٠. | LOW | NORMAL | > HIGH | FLO | DDED . | (circle or | ne) |
| Man-made Struc | tures | DAM | RIPRAP | В | RIDGE | LEVEE | 18 | SLAND |
| | | SHEET | PILINGS | OTHE | | ecity) | (circle o | ne) |
| Channelization | | YES | NO | | circle one) | | | |
| Bank Erosion | SLI | GHT | MODERA | TE | SEVERE | | (circle o | ne) |
| Logiam or Debi | ris Build- | ıp qı | YES | ; < | NO | (circle | one) | |
| Physical Obstac (If YES, descri | | • | ess YES | | NO | (circle | one) | |
| Aquatic Vegetati | on | | NO is vegetation | FLOA | TING | ATTA | CHED | (circle one) |
| Sanitary Waste | Odor in W | ater | YES (| NO |) (circ | le one) | | |
| Sanitary Debris | on Banks | | YES | NO | (circ | le one) | | |
| Sediment Comp (Visual Observi | | Gravel (Cobble Boulder | | n diameter) | 25 10 35 | % - % - % - % - % | | |
| Sediment Color | | Brown | | Sedir | nent Odor | | Musty | |
| Oil in Sediment | N | ONE | LIGHT | MODE | RATE | HEAVY | (circle | orie) |
| Depth of Fines (| In feet using | 1 inch dia | meter probe) | - | 0.03 | | | |
| (Visual Observation) | | | ASSLAND DENTIAL | % % | WETLA FORES | | | % |
| URBAN C | OMMER | CIAL/IND | USTRIAL | % | ROW C | ROPS | | % |
| OTHE | R (Specify) | | | % | | | Remarks on rev | verse side |

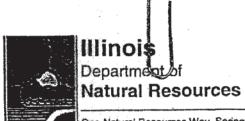
| Additional Remarks | Approximately 25-50% of mussel shells are live | | | | | | |
|--|--|--|---------------------------------------|--|--|--|--|
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Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date | 35 / 29 / 02 | | | | lime | | 13 | 1:10 | |
|------------------------------------|---------------------------------|----------------------------|--|------------------|----------------------|----------------|-----------------------|--------------|--------------|
| Assessment Obs | erver <u>V</u> | Vasik | | | | | | | |
| Waterbody | Des Plaine | es River | | | | | | | |
| CSO Number | 133 | Di | stance Belo | w CSO | (ft) 50 | | 200 | (circle | one) |
| Assessment Loca | ation Facing | g Upstrear | n LE | FT | CENTER | RIG | HT | (circie d | one) |
| Channel Habitat | P | OOL | RUN | \supset | RIFF | LE | | (circle (| ine) |
| Water Depth (ft) | | 2.5 | <u>- </u> | Char | nnel Width | (ft) | | 78 | |
| Water Level | L | .ow | NORMAL | > HIG | H F | LOODE | D | (circle (| one; |
| Man-made Struc | tures D | DAM | RIPRAP | | BRIDGE | LE\ | EE. | . 1 | SLAND |
| | S | HEET PIL | INGS | OTI | HER | | | (circle (| one) |
| Channelization | Y | ES | NO | \geq | (circle one) | (Specity) | | | |
| Bank Erosion | SLIGI | HT C | MODERA | TE | SEVE | RE | | (circia d | one). |
| Logiam or Debr | is Build-up | | YES | | NO | \geq | (circle one | } | |
| Physical Obstacl | | g Access | YES | 7 | NO | > | (circle one |) | |
| Aquatic Vegetation | | ES 司 YES, is v | NO | > _{FLC} | DATING | A | TTACH | ED | (circle one) |
| Sanitary Waste C | dor in Wat | er YE | ES C | ·NO | | (circle one) | | | |
| Sanitary Debris o | n Banks | YE | ES C | NO | | (circle one) | | | |
| Sediment Compo (Visual Observat | ion) C S S C C B | Cobble (16n Boulder (>2 | n diameter) n to <16mm di nm to <256mm 56mm diamete | diameter | 30 20 30 30 | 0 0 | % % % % % | | |
| Coding and Oples | | Bedrock or | Concrete | | - | | % | | |
| Sediment Color | | Brown | 10117 | | diment Od | | | lusty | |
| Oil in Sediment | NON | | IGHT | MOD | ERATE | | AVY | (circle | one) |
| Depth of Fines (In | | | | | 0. | 3 | | | |
| (Visual Observation) | | GRASS RESIDEI | | | | LAND | | | % |
| URBAN CO | OMMERCIA | | | % % | | REST V CROF | ·s | | % % |
| OTHER | | | | % | | | | narks on rev | |
| | | | | | | | | | |

| Additional Remarks | Approximately 25 to 50% live mussel shells are live. | | | | | | |
|--------------------|--|--|--|--|--|--|--|
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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

| Stephen K. Da | 110, 011101 |
|---|---|
| Date submitted: 6-28-0 2 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE:0 20 4289 Date Due: フィスをって |
| Applicant Name: MWRDGE Contact Person: Richard hanyon Applicant Address: 100 E. Eniz Streat Chicago, Ih 60611-3154 | Phone: 312-751-5600 Fax: E-mail: |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name: TLO 0 2805 3 Discharge Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): Brief Description of Proposed Action: Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this act Policy Act will apply. Contact the funding agency or this | N 12E Sec 10 Pheas Evaluation ion? [Yes 10] If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: IFPA Contact: Address: | Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endan Is consultation terminated? Comments: | ngered species or Natural Area? [YES/NO] |
| Evaluated by: Signature on file Division of Resource Review and Coordination (217) 7 | Date: 10-22-02_ |

Copies to: Visit our website at http://dnr.state.il.us/orep/nrrc/nrrc.htm

Richard Lanyon



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

2002 JUL 30 PM 1: 07

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:

- 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



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.

Signature on file

Joseph A. Saccomanno Director of Public Works

JAS/tr

OF GRIR. CHGO.

2002 JUL - 1 PM 11: 32

DIR. OF R & D

| • | |
|--|--|
| 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 |
| | NPDES Permit Number IL0028053 Discharge Number 133 |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not_X fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | naries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| 6. Public drinking water in | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source in the space ages) |
| | |
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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 logiams 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.

| Date | e <u>06 / 27 / 02</u> | | | | | Time | 10:35 | | |
|---|-----------------------|---|--|--------------------------------------|-------------|-------------------------|-------------------------------|-------------------|-------------------|
| Assessment Ob | server | Sopcak (| Wasik | Schao | kart | Szafoni | Minarik | Vick | • |
| Waterbody | Des Pla | ines River | | | | | | | |
| CSO Number | 134 | | Distance E | Below CS | SO (ft) | 50 | 200 | (circle | e one) |
| Assessment Loc | cation Fac | cing Upstre | eam | LEFT | CE | NTER < | RIGHT | (circl | e one) |
| Channel Habitat | | POOL | R | UN | | RIFFLE | | (circl | e one) |
| Water Depth (ft) | | 1.4 | () | С | hannel | Width (ft) | | 138 | |
| Water Level | | LOW | NORM | AL: | HIGH | FLOC | DED | (circl | e one) |
| Man-made Strue | ctures | DAM SHEET I | RIPR/ PILINGS | | BR OTHER | | LEVEE | (circl | ISLAND le one) |
| Channelization | | YES | N | | (cin | cle one) | , | | * |
| Bank Erosion | SL | IGHT | MODE | RATE | | SEVERE | NA |) (circl | le one) |
| Logjam or Debris Build-up YES | | | | |) | NO | (circle o | one) | 28 |
| Physical Obstac (If YES, descr | | | ss Y | ES > |], Stee | NO p banks | (circle o | one) | : |
| Aquatic Vegetat | ion | YES = | vegetatio | 10 | FLOAT | ING | ATTAC | HED | (circle one) |
| Sanitary Waste | Odor in V | Vater | YES | | NO |) (circle | a one) | | |
| Sanitary Debris | on Banks | 3 | YES | | NO |) (circle | one) | (10) | |
| Sediment Comp (Visual Observ | ration) | Gravel (2 Cobble (Boulder Bedrock | nic) mm diameter mm to <16mm 16mm to <25 (>256mm dia or Concre | m diamet 6mm dian meter) te | neter) | 80 | % . % . % . % . % | | en Series |
| Sediment Color | | Light Gra | у | | Sedime | ent Odor | | None | |
| Oil in Sediment | ○N | ONE | LIGHT | M | ODERA | ATE | HEAVY | (circ | de one) |
| Depth of Fines | (In feet usin | g 1 inch dian | neter probe) | | | 0.2 | - | | |
| Riparian Land (Visual Observation) URBAN C | URE | GRAS BAN RESID CIAL/INDU | | 10 | % % % | WETLA FORES ROW C | т _ | 90 | -% -% -% |
| OTHER (Specify) | | | | | % | | | Remarks on | reverse side |

| Additional Remarks | | ·. | |
|--|---------------|----|--------------------------------|
| GPS Coordinates: N41d 54m 30s W | 87d 49m 27.5s | | |
| Under North Ave. Bridge on the east I | bank | | |
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| Date06 | 5/27/0 | 2 | | | Time | | 10:38 | |
|---|------------|-----------------------|--|--------------------------|-----------------|------------------------|--------------------|---------------|
| Assessment Obse | rver | Sopcak | Wasik | Schackart | Szafoni | Minarik | Vick | |
| Waterbody | Des Plai | nes River | | | | | 1 | 7 |
| CSO Number | 134 | | Distance Bel | ow CSO (ft | 50 | 200 | (circle one) | |
| Assessment Local | tion Faci | ng Upstre | eam L | EFT C | ENTER | RIGHT | (circle one) | |
| Channel Habitat | . 1 | POOL | RUI | | RIFFLE | | (circle one) | |
| Water Depth (ft) | | 1.7 | | Channe | el Width (ft) | 28 | 138 | |
| Water Level | · · · | LOW | NORMAL | HIGH | FLO | DDED | (circle one) | |
| Man-made Structu | ires | DAM | RIPRAP | B | RIDGE | LEVEE | ISLA | ND |
| | | SHEET | PILINGS | OTHE | C 1997 | вспу) | (circle one) | |
| Channelization | | YES |) NO | (| circle one) | ocily) | | |
| Bank Erosion | SLI | GHT | MODER | ATE | SEVERE | NA | (circle one) | |
| Logjam or Debris | Build-u | ib - | YES | | NO | (circle | one) | |
| Physical Obstacle (If YES, describe | | 7 | ss YES | | NO eep banks | (circle | one) | |
| Aquatic Vegetation | n | YES = | NO NO vegetation | FLOA | TING | ATTAC | CHED (circl | le one) |
| Sanitary Waste Od | dor in W | ater | YES | NO. |) (circl | le one) | | |
| Sanitary Debris or | Banks | | YES | NO | | e one) | | |
| Sediment Compos (Visual Observation | | Gravel (2 Cobble (| nic) mm diameter) 2mm to <16mm o | m diameter) | 10 10 10 | % - % - % - % | | 10 40 4 |
| | | | (>256mm diame or Concrete | ter) | 70 | - % | | |
| Sediment Color | . (| Gray Blac | | Sedin | nent Odor | - " | none | |
| Oil in Sediment | | ONE | LIGHT | MODER | | HEAVY | (circle one) | |
| Depth of Fines (In | feet using | 1 inch diam | | 7.7 2.300, -2.5 300 - 2. | 0.2 | 1/1/20 | (Cacia ono) | |
| Riparian Land Use (Visual Observation) | е | | SSLAND | [%] | WETLA | | % % | Ŷ |
| URBAN CO | MMERC | IAL/INDU | JSTRIAL | % | ROWC | ROPS | % | |
| OTHER (| (Specify) | | | % | | | Remarks on reverse | side |

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| 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 | Date | 001211 | 32 . | | | | lime | | 10:55 | |
|--|-------------------|--------------|---|--|---|--------|------------|------------------------|------------|--|
| Assessment Location Facing Upstream Assessment Location Facing Upstream Channel Habitat POOL RUN RIFFLE (circle one) Channel Habitat POOL RUN RIFFLE (circle one) RIFFLE RIFFLE (circle one) RIFFLE RIFFLE (circle one) RIFFLE (circle one) RIFFLE (circle one) RIFFLE (circle one) RIFFLE RIFFLE (circle one) RIFFLE RIFFLE (circle one) RIFFLE RIFF | Assessment Obs | server | Sopcak | Wasik | chack | art | Szafoni | Minarik- | Vick | |
| Assessment Location Facing Upstream 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 ISLAN SHEET PILINGS OTHER (circle one) Bank Erosion SLIGHT MODERATE SEVERE NO (circle one) Physical Obstacle Preventing Access (If YES, describe obstacle) Aquatic Vegetation YES NO If YES, is vegetation VES NO (circle one) Steep banks Aquatic Vegetation YES NO (circle one) Steep banks Aquatic Vegetation FLOATING ATTACHED (dircle one) Steep banks ATTACHED (dircle one) Steep banks AQuatic Vegetation FLOATING ATTACHED (dircle one) Steep banks ATTACHED (dircle one) Steep banks AQUATIC Vegetation FLOATING ATTACHED (dircle one) Steep banks ATTACHED (dircle one) Steep banks ATTACHED (dircle one) Steep banks AQUATIC Vegetation FLOATING ATTACHED (dircle one) Steep banks NO (dircle one) Steep banks ATTACHED (dircle one) Steep banks NO (dircle one) Steep banks ATTACHED (dircle one) Steep banks NO (dircle one) Steep banks ATTACHED (dircle one) Steep banks NO (dircle one) Steep banks ATTACHED (dircle one) Steep banks NO (dircle one) Steep banks NO (dircle one) Steep banks ATTACHED (dircle one) Steep banks NO (dircle one) Steep banks Steep ba | Waterbody | Des Pla | ines Rive | г | | | | | | |
| 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 ISLAN SHEET PILINGS OTHER (circle one) Bank Erosion SLIGHT MODERATE SEVERE NA (circle one) Bank Erosion SLIGHT MODERATE SEVERE NA (circle one) Physical Obstacle Preventing Access YES NO (circle one) (If YES, describe obstacle) Aquatic Vegetation YES NO (circle one) Steep banks Aquatic Vegetation YES NO (circle one) Sanitary Waste Odor in Water YES NO (circle one) Sediment Composition Plant Debris | CSO Number | 134 | | Distance | Below CS | O (ft) | 50 | 200 | (circ | de 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 ISLAN. SHEET PILINGS OTHER (circle one) Bank Erosion SLIGHT MODERATE SEVERE NA (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 Compostion Plant Debris 96 Clay Silt (Organic) 10 96 Sand (<2rrim diameter) 96 Sand (<2rrim diameter) 96 Gravel (2mm to <16mm diameter) 96 Soulder (<256mm diameter) 96 Boulder (<256mm diameter) 96 Boulder (<256mm diameter) 96 Sediment Color Brown Sediment Odor none Sediment Color Brown Sediment Odor none Depth of Fines (In feet using 1 inch diameter probe) 0.33 Riparian Land Use GRASSLAND 10 96 CTHER grantal LIGHT MODERATE HEAVY (circle one) OTHER grantal NOWE CROPS 96 ROW CROPS 96 CTHER grantal Park Composition Popping Park Control Park Control Popping Park Control Park C | Assessment Loc | ation Fac | ing Upstr | eam < | LEFT | CE | NTER | RIGHT | (circ | de ane) |
| Water Level LOW NORMAL HIGH FLOODED (cárcle one) Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAN SHEET PILINGS OTHER (cárcle one) Channelization YES NO (cárcle one) Bank Erosion SLIGHT MODERATE SEVERE NA (cárcle one) Logjam or Debris Build-up YES NO (cárcle one) Physical Obstacle Preventing Access YES NO (cárcle one) (If YES, describe obstacle) Aquatic Vegetation YES NO (cárcle one) Steep banks Aquatic Vegetation YES NO (cárcle one) Sanitary Waste Odor in Water YES NO (cárcle one) Sanitary Debris on Banks YES NO (cárcle one) Sediment Compostion (Visual Observation) Clay % Silt (Organic) 10 % Sand (<2mm diameter) 30 % Coravel (2mm to <16mm diameter) % Boulder (<256mm diameter) % Boulder (<256mm diameter) % Sediment Color Brown Sediment Odor none Sediment Color Brown Sediment Odor none Depth of Fines (In feet using 1 inch diameter probe) 0.33 Riparian Land Use GRASSLAND 10 % WETLAND % (Visual Observation) URBAN RESIDENTIAL % FOREST 90 % COTHER Research | Channel Habitat | | POOL | | RUN | | RIFFLE | | (circ | de ana) |
| Man-made Structures DAM RIPRAP BRIDGE LEVEE ISLAN 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) Aquatic Vegetation YES NO (circle one) Steep banks Aquatic Vegetation YES NO (circle one) Sanitary Waste Odor in Water YES NO (circle one) Sanitary Debris on Banks YES NO (circle one) Sediment Compostion (Visual Observation) Plant Debris | Water Depth (ft) | | 0.73 | | Ch | annel | Width (ft) | | 138 | |
| SHEET PILINGS OTHER (Species) Channelization YES NO (circle one) Bank Erosion SLIGHT MODERATE SEVERE NA (circle one) Logiam 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 Compostion (Visual Observation) Plant Debris | Water Level | | LOW | NORM | MAL H | IGH | FLO | DDED | (circ | de one) |
| Channelization YES NO (circle one) Bank Erosion SLIGHT MODERATE SEVERE NA (circle one) Logiam 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 Compostion (Visual Observation) Plant Debris | Man-made Struc | tures | DAM | RIPR | AP | BR | IDGE | LEVEE | | ISLAND |
| Channelization YES NO (circle one) Bank Erosion SLIGHT MODERATE SEVERE NA (circle one) Physical Obstacle Preventing Access (If YES, describe obstacle) Aquatic Vegetation YES NO If YES, is vegetation YES NO (circle one) Steep banks Aquatic Vegetation YES NO (circle one) Steep banks ATTACHED (circle one) Sanitary Waste Odor in Water YES NO (circle one) Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris one) % Sanitary Debris on Banks YES NO (circle one) % Sanitary Debris one) % Sanitary Debris one) % Sanitary Debris one) Sanitary Debris one) % Sanitary Debris one) % Sanitary Debris one) % Sanitary Debris one) Sanitary Debris one) % Sanitary Debris one) (circle one) % Sanitary Debris one) % Sanitary Debris one) % Sanitary Debris one) Sanitar | | | SHEET | PILINGS | O | THEF | | | (circ | de one) |
| Logjam or Debris Build-up Physical Obstacle Preventing Access YES NO (circle one) Physical Obstacle Preventing Access (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 Compostion (Visual Observation) Plant Debris Clay Silt (Organic) Sand (<2mm diameter) Sand (<2mm diameter) Boulder (>256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete W Sediment Color Brown: Sediment Odor NONE LIGHT MODERATE HEAVY (circle one) Depth of Fines (In feet using 1 inch diameter probe) (Visual Observation) URBAN RESIDENTIAL W FOREST 90 % OTHER (Parath) OTHER (Parath) OTHER (Parath) OTHER (Parath) OTHER (Parath) OTHER (Parath) | Channelization | | YES | | VO) | (cir | | BCRY) | | |
| Physical Obstacle Preventing Access YES NO (circle one) Steep banks Aquatic Vegetation YES NO If YES, is vegetation FLOATING Sanitary Waste Odor in Water YES NO (circle one) Sanitary Waste Odor in Water YES NO (circle one) Sanitary Debris on Banks YES NO (circle one) Sediment Compostion Plant Debris Clay Silt (Organic) Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Wester Sediment Color Sediment Color Brown Sediment Odor NONE LIGHT MODERATE HEAVY (circle one) Moritary Moritary Moritary NO Clay Silt (Organic) Sand (<2mm diameter) Sediment Odor NO NO Sediment Odor NO NO Sediment Odor NO NO NO Sediment Odor NO NO NO NO NO NO NO NO NO N | Bank Erosion | SLI | GHT | MOD | ERATE | | SEVERE | ○ NA |) (circ | de one) |
| Aquatic Vegetation YES NO If YES, is vegetation FLOATING ATTACHED (circle or Sanitary Waste Odor in Water YES NO (circle one) Sanitary Debris on Banks YES NO (circle one) Sediment Compostion Plant Debris % Clay % Silt (Organic) 10 % Sand (<2mm diameter) 30 % Cobble (16mm to <16mm diameter) % Boulder (>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 GRASSLAND 10 % WETLAND % Visual Observation) URBAN RESIDENTIAL % FOREST 90 % URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | Logjam or Debr | is Build- | up | • | YES | | NO | (circle | one) | |
| Sanitary Waste Odor in Water YES NO (circle one) Sanitary Debris on Banks YES NO (circle one) Sediment Compostion Plant Debris 9/6 Silt (Organic) 10 9/6 Silt (Organic) 10 9/6 Gravel (2mm to <16mm diameter) 60 9/6 Cobble (16mm to <256mm diameter) 9/6 Boulder (>256mm diameter) 9/6 Bedrock or Concrete 9/6 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 GRASSLAND 10 9/6 URBAN COMMERCIAL/INDUSTRIAL 9/6 COTHER (Search) 9/6 OTHER (Search) 9/6 | | | - | ss C | (ES) | Stee | | (cîrcle | one) | nanorith was him agreembal again peach |
| Sanitary Debris on Banks YES NO (circle one) Sediment Compostion (Visual Observation) Plant Debris | Aquatic Vegetati | on. | | _ | | LOAT | ING | ATTA | CHED | (circle one) |
| Sediment Compostion (Visual Observation) Clay Silt (Organic) Sand (<2mm diameter) Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Boulder (>256mm diameter) Boulder (>256mm diameter) Bedrock or Concrete Sediment Color Brown: Sediment Odor NONE LIGHT MODERATE HEAVY (circle one) Depth of Fines (In feet using 1 inch diameter probe) Oil in Sediment Use GRASSLAND 0 WETLAND % WETLAND % URBAN RESIDENTIAL % FOREST 90 % URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | Sanitary Waste 0 | Odor in W | /ater | YES | \bigcirc N | 0 |) (circl | e one) | | |
| Clay % Silt (Organic) 10 | Sanitary Debris | on Banks | | YES | \overline{N} | 0 |) (cârci | e one) | | |
| Oil in Sediment NONE LIGHT MODERATE HEAVY (circle one) Depth of Fines (In feet using 1 inch diameter probe) Riparian Land Use GRASSLAND 10 % WETLAND % (Visual Observation) URBAN RESIDENTIAL % FOREST 90 % URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | (Visual Observa | | Clay Silt (Orga Sand (<2 Gravel () Cobble (Boulder Bedrock | nnic) 2mm diamete 2mm to <16n (16mm to <29 (>256mm dia | nm diameter 56mm diame ameter) ate | eter) | 30 60 | % - % - % - % | | |
| Depth of Fines (In feet using 1 inch diameter probe) Riparian Land Use GRASSLAND 10 % WETLAND % (Visual Observation) URBAN RESIDENTIAL % FOREST 90 % URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | Sediment Color | | Brown | | S | edime | ent Odor | | none | |
| Riparian Land Use GRASSLAND 10 % WETLAND % (Visual Observation) URBAN RESIDENTIAL % FOREST 90 % URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | Oil in Sediment | N | ONE | LIGHT | MO | DERA | ATE | HEAVY | (cin | cle one) |
| (Visual Observation) URBAN RESIDENTIAL % FOREST 90 % URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | Depth of Fines (I | n feet using | 1 inch dian | neter probe) | | | 0.33 | | | |
| URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | | | | - | | | | | | - |
| OTHER (Secreta) | URBAN C | | | _ | | | | | 90 | |
| | | | | | | | | | Remarks on | |

| Additional Remark | (S | | | | | | |
|-----------------------|--------------|---------------------|------|------|--------|----|----|
| Site in line with a f | lowing storr | n sewer. | | to a | 138 gr | | |
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Metropolitan Water Reclamation District of Greater Chicago

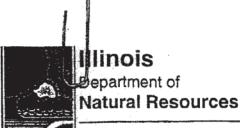
Sensitive Area Assessment

| Date | 06/27/0 | 02 | | | | Time | | 11:03 | |
|--|--------------|-------------------------------|------------------------------|-------------------------------|------------------|----------------------|--|------------|----------------|
| Assessment Obs | erver | Sopcak | Wasik | Sch | ackart | Szafoni | Minarik | Vick | |
| Waterbody | Des Pla | ines Rive | r | | | · . | | | |
| CSO Number | 134 | - | Distance | Below | CSO (ft | 50 | 200 |) (circ | le one) |
| Assessment Loca | ation Fac | ing Upstr | eam | LEF | r c | ENTER < | RIGHT | (circ | le one) |
| Channel Habitat | | POOL | | RUN | > | RIFFLE | | (circ | le one) |
| Water Depth (ft) | | 2.3 | | | Channe | el Width (ft) | | 64 | |
| Water Level | | LOW | NOR | MAL | HIGH | FLO | ODED | (circ | le one) |
| Man-made Struc | tures | DAM | RIPR | RAP | . В | RIDGE | LEVEE | | ISLAND |
| | | | PILINGS | | OTHE | | ecity) | (circ | de one) |
| Channelization | | YES | \leq | NO |) (| circle one) | | | |
| Bank Erosion | SLI | GHT | < MOD | ERATI | \triangleright | SEVERE | | (circ | de one) |
| Logjam or Debr | is Build- | up | , | YES | < | NO | (circle | one) | |
| Physical Obstact (If YES, descrit | | - | ss C | YES | St. | NO eep banks | (circle | one) | |
| Aquatic Vegetation | on | YES = | र्ग s vegetatio | NO on | FLOA | TING | ATTAC | HED | (circle one) |
| Sanitary Waste (| Odor in W | /ater | YES | | NO |) (circ | le one) | | |
| Sanitary Debris | n Banks | | YES | < | NO |) (circ | de one) | | |
| Sediment Compo (Visual Observa | | Gravel (Cobble Boulder | | mm diam 56mm d iameter) | iameter) | 10 10 60 20 | - % - % - % - % - % - % | | |
| Sediment Color | | Light brov | vn | | Sedin | nent Odor | | none | |
| Oil in Sediment | N | ONE | LIGHT | | MODEF | RATE | HEAVY | (cir | rde one) |
| Depth of Fines (I | n feet using | g 1 inch dia | meter probe) | | | 0.07 | | | |
| Riparian Land U (Visual Observation) URBAN C | URB | AN RESI | SSLAND DENTIAL USTRIAL | 20 | _% _% _% | FORES ROW 0 | ST. | 80 | _% _% _% |
| OTHER | (Specify) | | | | <u>%</u> | | | Remarks or | reverse side |

| Date 0 | 06/27/0 |)2 | | | | Time | | 11:08 | |
|--|------------|-------------|--|-------------------------------|------------|----------------|---------------------------------|-------------------|-----------|
| Assessment Obs | erver | Sopcak | Wasik | Sch | ackart | Szafoni | Minarik | Vick | |
| Waterbody | Des Pla | ines Rive | r | | | | | | |
| CSO Number | 134 | | Distance | Below | CSO (ft) | 50 | 200 | (circle one | •) |
| Assessment Loca | ation Fac | ing Upstr | eam | LEFT | CE | NTER | RIGHT | (circle one |) . |
| Channel Habitat | | POOL | | RUN | > | RIFFLE | | (circle one |) |
| Water Depth (ft) | | 3.4 | | | Channe | Width (ft) | | 64 | |
| Water Level | | LOW | NOR | MAL | HIGH | FLO | ODED | (circle one |) |
| Man-made Struct | ures | DAM | RIPR | RAP | BF | RIDGE | LEVEE | ISI | LAND |
| | | SHEET | PILINGS | | OTHE | | ecity) | (circle one |) |
| Channelization | | YES | | NO |) (ci | rcie one) | | | |
| Bank Erosion | SLI | GHT | MOD | ERATE | > | SEVERE | | (circle one | |
| Logjam or Debri | s Build- | ab dr | | YES | < | NO | (circle | oue) | |
| Physical Obstacle (If YES, describ | | | ss C | YES | री Stee | NO ep banks | (circle | one) | |
| Aquatic Vegetation | on . | YES = | s vegetation | NO on | FLOAT | ΠNG | ATTAC | CHED (c | irde one) |
| Sanitary Waste C | dor in W | ater | YES | | NO |) (circ | le one) | | |
| Sanitary Debris o | n Banks | | YES | | NO |) (circ | le one) | | |
| Sediment Compo (Visual Observati | | Gravel (| nic) 2mm diamete 2mm to <16n 16mm to <20 (>256mm dia | nm diame 56 m m dia | - | 20 70 | - % - % - % - % - % | | |
| Sediment Color | | Brown | | | Sedime | ent Odor | | none | |
| Oil in Sediment | NO | ONE | LIGHT | 1 | HODERA | ATE | HEAVY | (circle one |)) |
| Depth of Fines (In | feet using | 1 inch dian | neter probe) | | | 0.1 | | | |
| Riparian Land Us (Visual Observation) | URBA | AN RESID | - | | _% _% | WETLA FORES | - | % | |
| URBAN CC | | IAL/INDU | JSTRIAL_ | | _% | ROW C | ROPS | % | |
| OTHER | (Specify) | | | | % | | 1 | Remarks on revers | e side |

| Additional Remarks | | | | | |
|--|------|------|----|-------|--|
| GPS Coordinates: | | | | | |
| N41d 54m 29s W87d 49m | | | | | - |
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| 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 ISLA | ND |
| SHEET PILINGS OTHER (circle one) | |
| Channelization YES NO (circle one) | |
| Bank Erosion SLIGHT MODERATE SEVERE (circle one) | |
| Logiam or Debris Build-up YES NO (circle one) | |
| Physical Obstacle Preventing Access YES TO NO (circle one) (If YES, describe obstacle) | |
| Aquatic Vegetation YES NO If YES, is vegetation FLOATING ATTACHED (circle) | e one) |
| Sanitary Waste Odor in Water YES NO (circle one) | |
| Sanitary Debris on Banks YES NO (circle one) | |
| Sediment Compostion (Visual Observation) Plant Debris 80 % Clay % % Silt (Organic) 10 % Sand (<2mm diameter) | |
| 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 GRASSLAND 30 % WETLAND % (Visual Observation) URBAN RESIDENTIAL % FOREST 70 % | |
| URBAN COMMERCIAL/INDUSTRIAL % ROW CROPS % | |



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

| Otophon K. Da | , |
|--|---|
| Date submitted: 7 - 8 - 0 - 2 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 9300116 Date Due: 8-7-0-2 |
| Applicant Name: MWRDGC Contact Person: Richard hauron Applicant Address: 100E, En. St. Chicago TL 60611-3154 | Phone: 312-751-5600 Fax: E-mail: |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name Thouse 8053 Discharge 1 Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): Brief Description of Proposed Action: Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this action Policy Act will apply. Contact the funding agency or this | On? [Yes Mo] If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: TEPP Contact: Address: | Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endanglis consultation terminated? Comments: | gered species or Natural Area? [YES (NO)] |
| Evaluated by: Signature on file Division of Resource Review and Coordination (217) 78 | Date: 10-22-07 |

Copies to: Visit our website at http://dnr.state.il.us/orep/nrrc/nrrc.htm 5:12
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)



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.

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

OP GRTR) CHGO.

2002 AUG 12 FM I2 06

| Name of Responding Organization: | US Fish + Willlife Service |
|--|--|
| Name of Person Responding: | Shawn Citton |
| Address: | 1250 S. Grose Av., Ste. 163 |
| | Barnlington, IL 60010 |
| | |
| Telephone Number: | 847-1381-2253 xt 236 |
| Signature of respondent: | _Signature on file |
| | |
| | NPDES Permit Number IL0028053 Discharge Number 134 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not_ fall categories of sensitive areas: |
| (Circle all categories that a | pply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctua | aries |
| 3) Waters with threatened of | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary cor | ntact recreation |
| 6. Public drinking water in | takes or their designated protection areas |
| Our determination is based on the e | enclosed documentation: |
| (Supply supporting documentation provided below or on additional pa | for each category and reference the source in the space ages) |
| | * 2 |
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| The state of the s | |
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| | AXVIII-14 |

| Name of Responding Organization | on: Illinois EPA | antiminante e a supre antiquim di status fra français in 17 d'estre autom |
|---|---|---|
| Name of Person Responding: | Robert Mosher | |
| Address: | | |
| | | |
| | | |
| Talanhana Nyumbar | | · |
| Telephone Number: Signature of respondent: | Signature on file | |
| | | |
| Subject | t: NPDES Permit Number IL0028053 Discharge Number 134 | |
| | and determined that the subject discharge does/ ring categories of sensitive areas: | does not fall |
| (Circle all categories the | at apply) | • , , |
| Designated Outstand | ing National Resource Waters | |
| National Marine San | ctuaries | |
| 3. Waters with threaten | ed or endangered species and their habitat | |
| 4. Shellfish beds | | |
| 5. Waters with primary | contact recreation | |
| 6 Public drinking wate | r intakes or their designated protection areas | |
| Our determination is based on the | he enclosed documentation: | |
| (Supply supporting documental provided below or on additional | tion for each category and reference the source l pages) | in the space |
| See attached cop | sy of 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:iaf/lanyonil28061

Attachment

OF GRTR. CHGO.

2002 JUL 15 PM 11: 54

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 logiam 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 | 0/2//020 | J | | | | Time | | 11:35 |
|---------------------------------------|--------------|---------------------------------|--------------|------------------------------------|---------|----------------|----------------------------|-------------------------|
| Assessment Obs | erver | Sopcak | Wasik | Schac | kart | Szafoni | Minarik | Vick |
| Waterbody | Des Pla | ines Rive | | 1 | - | 3018000 | | |
| CSO Number | 135 | _ | Distance | Below CS | 60 (ft) | 50 | 200 | (circle one) |
| Assessment Loc | ation Fac | ing Upstr | eam | LEFT | CE | NTER < | RIGHT | (circle one) |
| Channel Habitat | | POOL | | RUN | | RIFFLE | | (circle one) |
| Water Depth (ft) | | 1.8 | | C | hannel | Width (ft) | | 90 |
| Water Level | | LOW | NORM | MAL I | HIGH | FLOC | DDED | (circle one) |
| Man-made Struc | tures | DAM | RIPR | AP | BR | RIDGE | LEVEE | ISLAND |
| | | SHEET | PILINGS | (| OTHER | | SCITY) | (circle one) |
| Channelization | | YES | | 10) | (cir | rcle one) | - | |
| Bank Erosion | SLI | GHT | MOD | ERATE | > - | SEVERE | | (circle one) |
| Logjam or Debr | is Build- | up | ` | /ES | | NO | (circle | one) |
| Physical Obstacl (If YES, describ | | and an arrangement | ss \ | ∕ES ¬ | · < | NO | · (circle | one) |
| Aquatic Vegetation | on | YES = | s vegetation | NO F | LOAT | ING | ATTAC | CHED (circle one) |
| Sanitary Waste 0 | Odor in W | /ater | YES | | 10 |) (circle | e one) | |
| Sanitary Debris | n Banks | | YES | | 10 |) (circle | e one) | |
| Sediment Compo (Visual Observa | | Gravel (Cobble (Boulder | • | nm diamete 56mm diam ameter) | | 70 15 15 | % % % % % % | |
| Sediment Color | | Dark Gra | у | ; | Sedime | ent Odor | | none |
| Oil in Sediment | N | ONE | LIGHT | MC | DDERA | ATE | HEAVY | (circle one) |
| Depth of Fines (I | n feet using | 1 inch diar | neter probe) | | | 1.3 | | * |
| Riparian Land U. (Visual Observation) | URB | AN RESI | | | % % | WETLA FORES | T i | % 50 % |
| URBAN C | | CIAL/IND | JSTRIAL_ | | % | ROW C | ROPS | % |
| OTHER | (Specify) | 1 | | | % | | | Remarks on reverse side |

| Additional Remarks | | | | | |
|--------------------------|-------------------|---------------|--------------|---|---------------------------------------|
| About 60 feet downstream | n of bridge on ea | ast bank. Tre | ench dug out | | |
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| Date | 06/2/// | 02 | | | | Time | | 11:40 | |
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| Assessment Ob | server | Sopcak (| Wasik | Scha | ckart | Szafoni | Minarik | Vick | 1 |
| Waterbody | Des Pla | ines River | | | | | | 1 | |
| CSO Number | 135 | _ | Distance | Below (| CSO (ft) | 50 | 200 | (circle o | ne) |
| Assessment Loc | ation Fac | ing Upstre | eam | LEFT | CE | NTER | RIGHT | (circle d | ne) |
| Channel Habitat | 5 | POOL | | RUN | > | RIFFLE | | (circle o | me) |
| Water Depth (ft) | | 4.1 | | | Channel | Width (ft) | | 90 | |
| Water Level | | LOW | NOR | MAL | HIGH | FLOC | DDED | (circle d | ne) |
| Man-made Struc | tures | DAM | RIPE | RAP | BR | RIDGE | LEVEE | 1 | SLAND |
| | | SHEET | PILINGS | | OTHER | | | (circle d | ne) |
| Channelization | | YES | | NO |) (cir | rale one) | ecity) | | |
| Bank Erosion | SL | IGHT | MOE | ERATE | | SEVERE | | (circle o | one) |
| Logjam or Deb | ris Build- | up | | YES | _ < | NO | (circle | one) | |
| Physical Obstac | | | ss | YES = | ₹ < | NO | (circle | one) | |
| Aquatic Vegetat | | | s vegetati | NO. | FLOAT | TING | ATTAC | CHED | (circle one) |
| Sanitary Waste | | | YES | \geq | NO |) (circl | e one) | | 3. 3. |
| Sanitary Debris | | * | YES | | NO |) (circl | e one) | · (d) | |
| Sediment Comp (Visual Observi | | Gravel (2 Cobble (Boulder | | mm diame 256mm dia iameter) | | 20 30 40 | - % - % - % - % - % | 20 50 | • |
| Sediment Color | | Dark gra | <u>y</u> | 100 | Sedim | ent Odor | | none | |
| Oil in Sediment | N | ONE | LIGHT | P | /IODER | ATE | HEAVY | (circle | one) |
| Depth of Fines | In feet usin | g 1 inch diar | neter probe | , | | 0.4 | | | |
| Riparian Land (Visual Observation) | | GRA | SSLAND | | -% | WETLA | | | % % |
| URBAN C | | | | | - % | FORES ROW C | | | % |
| | R (Specify) | | | - | - % | ** | | Remarks on re | verse side |

| Additional Remarks | | | |
|-------------------------------|---|---|--|
| GPS Coordinates: | | | |
| N 41d 53m 36s W 87d 49m 59.5s | | , | |
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| Date 0 | 06/27/0 |)2 | | | | Time | 1 | 1:40 | na sancia a |
|--------------------------------------|-------------------|-----------------------------|----------------------|---------------|----------|------------|------------|-----------|--------------|
| Assessment Obs | erver | Sopcak | Wasik | Sch | ackart | Szafoni | Minarik | Vick | |
| Waterbody | Des Pla | ines Rive | г | - 93 | | | | | |
| CSO Number | 135 | | Distance E | Below | CSO (ft) | 50 | 200 | (circle | one) |
| Assessment Loca | ation Fac | ing Upstr | eam | LEFT | CE | NTER < | RIGHT | (circle | one) |
| Channel Habitat | | POOL | F | NUN | > | RIFFLE | | (circle | a one) |
| Water Depth (ft) | | 1.8 | | | Channe | Width (ft) | | 90 | |
| Water Level | | LOW | NORM | IAL | HIGH | FLO | DDED | (circl | e one) |
| Man-made Struc | tures | DAM | RIPR | AP | BF | RIDGE | LEVEE | | ISLAND |
| | | SHEET | PILINGS | | OTHE | | ROIV) | (circl | e one) |
| Channelization | 31 (19 <u>19)</u> | YES | | 10 |) (ci | rde one) | ,/ | | |
| Bank Erosion | SLI | GHT | MODE | ERATE | Ξ | SEVERE | 398 | (circi | e one) |
| Logjam or Debr | is Build- | up | Y | 'ES | | NO. | (circle on | e) | |
| Physical Obstacl (If YES, descrit | | and the same of the same of | ss Y | ES · | ¬, < | NO | (circle on | e) | |
| Aquatic Vegetation | on | YES = | s vegetation | NO n | FLOAT | TING | ATTACH | HED | (circle one) |
| Sanitary Waste 0 | Odor in V | /ater | YES | < | NO |) (circl | e one) | | |
| Sanitary Debris | on Banks | | YES | | NO |) (circl | e one) | £1 | |
| Sediment Compo | | Plant De | * | | | 60 | % % | | |
| S. | | Silt (Orga Sand (< | inic) 2mm diamete | r) | | 40 | - % | | |
| | | (<u></u> | 2mm to <16m | 10 | eter) | | % | | |
| | | | (16mm to <25 | | | | % | | |
| | | | (>256mm dia | 6 CONTACTOR 1 | | | - % - % | | |
| Sediment Color | | Dark gra | | | Sedim | ent Odor | • | Rotten | |
| Oil in Sediment | N | ONE | LIGHT | | MODER | | HEAVY | | de one) |
| Depth of Fines (I | | | | 97 | | 1.0 | | (Care | ac one) |
| Riparian Land U | se | GRA | SSLAND | 80 | % | WETLA | ND | | % |
| (Visual Observation) | | AN RESI | DENTIAL | | % | FORES | | 20 | -% |
| URBAN C | OMMER | CIAL/IND | USTRIAL _ | | _% | ROW C | | | % |
| OTHER | (Specify) | | - | | % | | D | emarke on | reverse side |

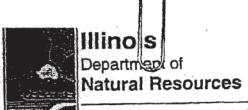
| Date | 001211 | 02 | • 4 | | 1 ime | | 11:45 |
|------------------------------------|--------------|---------------|-------------------------------------|------------------------------------|--------------|------------------------|-------------------------|
| Assessment Obs | server | Sopcak | Wasik | Schacka | rt Szafo | oni Minaril | (Vick |
| Waterbody | Des Pla | ines Rive | г | | | | |
| CSO Number | 135 | _ | Distance I | Below CSO | (ft) 5 | 200 | (circle one) |
| Assessment Loc | ation Fac | cing Upstr | eam C | LEFT | CENTER | RIGHT | (circle and) |
| Channel Habitat | | POOL | F | RUN | RIF | FLE | (circle one) |
| Water Depth (ft) | | 2.6 | | Cha | nnel Width | (ft) | 90 |
| Water Level | | LOW | NORM | AL HIC | 9H F | LOODED | (circle one) |
| Man-made Struc | tures | DAM | RIPR | AP · | BRIDGE | LEVEE | ISLAND |
| * * * | • | SHEET | PILINGS | ОТ | HER | (Specify) | (circle one) |
| Channelization | | YES | | 10 | (circle one) | (0) | |
| Bank Erosion | SL | IGHT | MOD | ERATE | SEVE | RE | (circle one) |
| Logjam or Deb | ris Build- | up |) | /ES | NO |) (circ | le one) |
| Physical Obstac (If YES, descri | | | ss 🔾 | (ES SI) | NO Fence | (circ | le one) |
| Aquatic Vegetati | ion | YES = | ₹ vegetation | n FL | OATING | ATTA | CHED (circle one |
| Sanitary Waste | Odor in V | Vater | YES | ○ NC | | (circle one) | |
| Sanitary Debris | on Banks | ; | YES | € NC | | (circle one) | |
| Sediment Comp (Visual Observi | | Gravel (| anic) 2mm diamete 2mm to <16m | r) nn diameter) 56mm diamete | 3 3 | % 0 % 0 % 0 % | |
| | | | (>256mm dia | | | % | |
| | | Bedrock | or Concre | ete | | % | |
| Sediment Color | | Light brov | vn | Se | diment Oc | lor · | none |
| Oil in Sediment | N | ONE | LIGHT | MOD | ERATE | HEAVY | (circle one) |
| Depth of Fines (| In feet usin | g 1 inch diar | neter probe) | | 0. | 03 | - |
| Riparian Land U | lse | GRA | SSLAND_ | 20 % | WE | TLAND | % |
| (Visual Observation) | | AN RESI | - | % | | REST | 80 % |
| URBAN C | | CIAL/INDI | JSTRIAL_ | % | RO | W CROPS | % |
| OTHE | R (Specify) | | | % | | | Remarks on reverse side |

Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date | 02 | _ | | i ime | | 11:55 |
|--|-----------------------------|--|--|----------------|-------------------------------|-------------------------|
| Assessment Observer | Sopcak | Wasik | Schackart | Szafoni | Minarik | Vick |
| Waterbody Des Pl | alnes Rive | r | | | | - |
| CSO Number 135 | _ | Distance B | elow CSO (ft | 50 | 200 | (circle one) |
| Assessment Location Fa | cing Upstr | ream C | LEFT C | ENTER | RIGHT | (circle one) |
| Channel Habitat | POOL | R | UN | RIFFLE | | (circle one) |
| Water Depth (ft) | 1.7 | | Chann | el Width (ft) | | 90 |
| Water Level | LOW | NORM | AL HIGH | FLO | DDED ' | (circle one) |
| Man-made Structures | DAM | RIPRA | ∖P B | RIDGE | LEVEE | ISLAND |
| | SHEET | PILINGS | OTHE | | еслу) | (circle one) |
| Channelization | YES | N | | circle one) | | |
| Bank Erosion SI | JGHT . | MODE | RATE | SEVERE | | (circle one) |
| Logjam or Debris Build | -up | Y | ES | NO | (circle d | one) |
| Physical Obstacle Preve (If YES, describe obstac | • | ess Y | ES SI | NO Fence | . (circle t | one) |
| Aquatic Vegetation | YES - | is vegetation | O FLOA | TING | ATTAC | CHED (circle one) |
| Sanitary Waste Odor in | Vater | YES | NO |) (circ | le one) | |
| Sanitary Debris on Bank | s | YES | NO |) (circ | e one) | |
| Sediment Compostion (Visual Observation) | Gravel Cobble Boulder | anic) 2mm diameter (2mm to <16mi | m diameter) 6mm diameter) meter) | 70 15 15 | % - % - % - % - % | |
| Sediment Color | Grayish br | own | Sedir | nent Odor | slight | rotting smell |
| Oil in Sediment | ONE | LIGHT | MODE | RATE | HEAVY | (circle one) |
| Depth of Fines (In feet usi | ng 1 inch dia | meter probe) | And a second | 0.32 | | |
| Riparian Land Use (Visual Observation) UR URBAN COMMER | BAN RESI | | 20 % | FORES ROW C | эт· | 80 % % |
| OTHER (Specify) | | | % | | • | Remarks on reverse side |
| | | | | | | |

| Date 0 | 06/27/0 |)2 | | | | Time | | 11 : 57 | |
|--|------------|---|--------------|---------------------------------|----------------|----------------------------|----------------------------|----------------|-------------------------------------|
| Assessment Obs | erver | Sopcak | Wasik | Scha | ckart | Szafoni | Minarik | Vick | |
| Waterbody | Des Pla | ines Rive | Г | | | | | | NET BROWNING OF THE COMMUNICATIONS. |
| CSO Number | 135 | | Distance | Below (| CSO (ft) | 50 | 200 | (circle or | ne) |
| Assessment Loca | ation Fac | ing Upstr | eam | LEFT | CE | NTER | RIGHT | (circle or | na) |
| Channel Habitat | | POOL | | RUN | > | RIFFLE | | (circle or | ne) |
| Water Depth (ft) | | 3.3 | | | Channel | Width (ft) | | 90 | |
| Water Level | | LOW | NORM | MAL | HIGH | FLO | DDED | (circle or | ne) |
| Man-made Struct | ures | DAM | RIPR | AP | | | LEVEE | IS | SLAND |
| Channelization | | YES | | NO | OTHER | | эспу) | (circle or | ne) |
| Bank Erosion | SH | GHT | | ERATE | | cie one) | | | |
| Logiam or Debri | | | | ZES | | NO | | (circle or | ne) |
| Physical Obstacle (If YES, describ | Preven | ting Acce | | | ₹ < | NO | (circle o | | |
| Aquatic Vegetation | n | YES = | s vegetation | NO On | FLOAT | ING | ATTAC | HED | (circle one) |
| Sanitary Waste O | dor in W | ater | YES | | NO | (circle | one) | | |
| Sanitary Debris o | n Banks | | YES: | | NO |) (circk | s one) | | |
| Sediment Compo (Visual Observation | | Gravel (2 Cobble (Boulder Bedrock | | nm diame 66mm dia ameter) | meter) | 90 | % % % % % % | | |
| Sediment Color | | Brown | | | Sedime | ent Odor | | None | |
| Oil in Sediment | NC | NE | LIGHT | | IODERA | TE | HEAVY | (circle or | nie) |
| Depth of Fines (In | feet using | 1 inch diam | neter probe) | | | 0.5 | | | |
| Riparian Land Us (Visual Observation) URBAN CC | URBA | N RESID | | | -% -% -% | WETLAN FOREST ROW CI | г | 9/ 9/ 9/ | 6 |
| OTHER | (Specify) | | - | | % | | R | emarks on reve | rse side |



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

| Stephen K. Davis, Chief | | | | | |
|---|---|--|--|--|--|
| Date submitted: 7-9-02 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE:0300180 Date Due: 8-11-02 | | | | |
| Applicant Name: MWRDGC Contact Person: Richard Lanyon Applicant Address: 100 E. Eria Straat Chicago Th 60611-3154 | Phone: 312-751-5600 Fax: E-mail: | | | | |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTION Project Name: 1 LOO 2805 3 Discharge 1 Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): Brief Description of Proposed Action: 5 4 45 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1) 12 E Sec 3 Ve Areas Evaluation tion? [Yes No If Yes, the Interagency Wetlands | | | | |
| Local/State Agency with Project Jurisdiction: TEPA Contact: Address: | Phone: Fax: E-mail: | | | | |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endar Is consultation terminated? Comments: | oresent in the vicinity of the action? (YES/NO) ngered species or Natural Area? (YES/NO) (YES)NO) | | | | |
| Signature on file Division of Resource Review and Coordination (217) | Date: 10-22-02 | | | | |

Copies to: File
Richard hanyon

United States Department of the Interior



FWS/AES-CIFO (T1204)

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)



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.



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

| Name of Responding Organization: | USFWS |
|--|--|
| Name of Person Responding: | Shaun Cirton |
| Address: | 1250 S. Grave Av., Ste. 103 |
| | Barrington, IL 60010 |
| | |
| Telephone Number: | Signature on file |
| Signature of respondent: | Signature on file |
| | NPDES Permit Number IL0028053 Discharge Number 135 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/does not / fall g categories of sensitive areas: |
| (Circle all categories that a | upply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | , · |
| 4. Shellfish beds | or endangered species and their habitat |
| 5. Waters with primary co | ntact recreation |
| · · · · · · · · · · · · · · · · · · · | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| | n for each category and reference the source in the space |
| provided below or on additional p | ages) |
| | · , |
| | |
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| | |

| Name of Responding Organization | Illinois FPA |
|--|--|
| Name of Person Responding: | Ribert Moshw |
| Address: | |
| | |
| | |
| # ³ | * |
| Telephone Number: | |
| Signature of respondent: | _Signature on file |
| . 203 | |
| The same of the sa | NPDES Permit Number IL0028053 Discharge Number 135 |
| We have examined our records and within one or more of the following | d determined that the subject discharge does/ does not \(\frac{1}{2} \) fall g categories of sensitive areas: |
| (Circle all categories that | apply) |
| Designated Outstandin | g National Resource Waters |
| National Marine Sancti | naries |
| 3. Waters with threatened | or endangered species and their habitat |
| 4. Shellfish beds | e e e e e e e e e e e e e e e e e e e |
| 5. Waters with primary co | ontact recreation |
| 6. Public drinking water i | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional p | on for each category and reference the source in the space pages) |
| Secondon des | ru letter |
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| | Stor July 22 Mills 43 |
| | D48. QF R & D |
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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. 1L0028061

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.

| Date | 6 / 27 / 02 | | | Time | <u> </u> | : 00 | |
|---|--|----------------------|----------|---------------|------------------------------------|------------------|-----------|
| Assessment Obse | rver Sopcak | Wasik 9ch | ackart | Szafoni | Minarik | Vick | |
| Waterbody | Des Plaines Rive | r | | | | | |
| CSO Number | 136 | Distance Below | CSO (ft) | 50 | 200 | (circle one) | |
| Assessment Local | tion Facing Upstr | eam LEF | CE | NTER | RIGHT | (circle one) | |
| Channel Habitat | POOL | > RUN | | RIFFLE | • | (circle one) | ٠.,٠ |
| Water Depth (ft) | 3.3 | | Channel | Width (ft) | : | 83 | |
| Water Level | LOW | NORMAL | HIGH | FLO | DDED | (circle one) | |
| Man-made Structu | ires DAM | RIPRAP | BR | IDGE | LEVEE | ISL | AND |
| | SHEET | PILINGS | OTHER | | ectry) | (circle one) | |
| Channelization | YES | NO |) (circ | cle one) | , | | |
| Bank Erosion | SLIGHT | MODERATE | = < | SEVERE | > | (circle one) | |
| Logjam or Debris | Build-up | YES | | NO | (circle one |) . | |
| Physical Obstacle (If YES, describe | | ss YES | Stee | NO p banks | (circle one |) | |
| Aquatic Vegetation | , | NO NO s vegetation | FLOAT | ING | ATTACH | ED (cir | rcle one) |
| Sanitary Waste Oc | lor in Water | YES < | NO | Circle | e one) | | |
| Sanitary Debris on | Banks | YES C | NO |) (circi | e one) | | |
| Sediment Compos (Visual Observation | Silt (Orga Silt (Orga Sand (<2 Gravel (2 Cobble (Boulder | | • | 90 | % % - % - % - % - % | | |
| Sediment Color | grayish bro | wn | Sedime | ent Odor | <u> </u> | none | |
| Oil in Sediment | NONE | LIGHT I | MODERA | TE . | HEAVY | (circle one) | |
| Depth of Fines (In | leet using 1 inch dian | neter probe) | | 0.33 | | | |
| Riparian Land Use (Visual Observation) | GRAS URBAN RESID | SSLAND 50 DENTIAL | _% | WETLA | | 50 % | |
| URBAN CO | MMERCIAL/INDU | JSTRIAL | _% | ROW C | - | % | |
| OTHER (| Specify). | | _% | | Ren | narks on reverse | side |

| Additional Remarks | | • |
|---------------------------|----------|---|
| GPS Coordinates | | |
| N 41d 51m 49.7s W 87d 49r | n 36.7s | |
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| Date 06 / 27 / 02 | Time | Time 1:03 | | |
|---|-------------------|-------------|-------------------------|--|
| Assessment Observer Sopcak Wasik Schao | kart Szafoni | Minarik | Vick | |
| Waterbody Des Plaines River | | | | |
| CSO Number 136 Distance Below CS | SO (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 C | hannel Width (ft) | | 83 | |
| Water Level LOW NORMAL | HIGH FLOO | DDED | (circle one) | |
| Man-made Structures DAM RIPRAP | BRIDGE | LEVEE | ISLAND | |
| SHEET PILINGS (| OTHER | SCRY) | (circle one) | |
| Channelization YES NO | (circle one) | acay) | | |
| Bank Erosion SLIGHT MODERATE | SEVERE | | (circle one) | |
| Logjam or Debris Build-up YES | NO | (circle d | ine) | |
| Physical Obstacle Preventing Access YES (If YES, describe obstacle) | NO | (circle o | ne) | |
| Aquatic Vegetation YES T NO If YES, is vegetation | FLOATING | ATTAC | HED (circle one) | |
| Sanitary Waste Odor in Water YES | VO (circl | e one) | v* - | |
| Sanitary Debris on Banks YES | NO (circl | e one) | 2 | |
| Sediment Compostion Plant Debris | | % . | | |
| (Visual Observation) Clay Silt (Organic) | | % | | |
| Sand (<2mm diameter) | | . % | | |
| Gravel (2mm to <16mm diamete | er) | % | * | |
| Cobble (16mm to <256mm diam | eter) 100 | % | | |
| Boulder (>256mm diameter) | | % | | |
| Bedrock or Concrete | • | % | | |
| Sediment Color Brown | Sediment Odor | | None | |
| Oil in Sediment NONE LIGHT MO | DDERATE | HEAVY | (circle one) | |
| Depth of Fines (In feet using 1 inch diameter probe) | 0.07 | | % C | |
| | % WETLAND | | % | |
| (Visual Observation) URBAN RESIDENTIAL | % FORES | г - | % | |
| URBAN COMMERCIAL/INDUSTRIAL | % ROW C | ROW CROPS % | | |
| OTHER (Specify) | % | F | Remarks on reverse side | |

| Date U6 | 7/27/102 | | | Time | | 1:05 | |
|---|--|---------------------|----------|-----------------|----------------------------|--------------|--|
| Assessment Obser | ver Sopcak | Wasik Sch | hackart | Szafoni | Minarik | Vick | |
| Waterbody D | Des Plaines River | r | | | | - | |
| CSO Number | 136 | Distance Below | CSO (ft) | 50 | 200 |) (circle | о опе) |
| Assessment Locati | on Facing Upstre | eam LEF | T CE | NTER < | RIGHT |) (circle | one) |
| Channel Habitat | POOL | RUN | | RIFFLE | | (circle | one) |
| Water Depth (ft) | 4.7 | | Channel | Width (ft) | | 83 | |
| Water Level | LOW | NORMAL | HIGH | FLO | DDED | (circle | one) |
| Man-made Structur | res DAM | RIPRAP | BR | IDGE | LEVEE | | ISLAND |
| | SHEET | PILINGS | OTHER | | scay) | (circle | one) |
| Channelization | YES | NO |) (clrc | cle one) | ,, | | : |
| Bank Erosion | SLIGHT | MODERAT | Έ | SEVERE | | (circle | e ane) |
| Logjam or Debris | Build-up | YES | | NO | (circle | one) | |
| Physical Obstacle in (If YES, describe of | | ss YES | <u> </u> | NO | (circle | one) | in the second color of the |
| Aquatic Vegetation | • | NO NO severation | FLOAT | ING | ATTA | CHED | (circle one) |
| Sanitary Waste Ode | or in Water | YES C | NO | (circle | one) | | |
| Sanitary Debris on | Banks | YES C | NO |) (circle | e one) | | |
| Sediment Compost (Visual Observation) | Clay Silt (Organ Sand (<2) Gravel (2) Cobble (1) Boulder (Bedrock | | iameter) | 20 80 | % % % % % % | | |
| Sediment Color | Brown | | Sedime | nt Odor | | None | |
| Oil in Sediment | NONE | LIGHT | MODERA | TE | HEAVY | (circle | e one) |
| Depth of Fines (In fe | et using 1 inch diam | eter probe) | | 0.13 | | | |
| Riparian Land Use (Visual Observation) | GRAS | SSLAND 10 ENTIAL | _% | WETLAN FORES | | 90 | % |
| URBAN COM | MERCIAL/INDU | STRIAL | % | ROW CI | ROPS | | % |
| OTHER (Sp | pecify) | | % | | | Remarks on n | everse side |

| 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 (f | ft) 50 | 200 | (circle one) |
| Assessment Location Facing Upstream LEFT C | ENTER C | RIGHT | (circle one) |
| Channel Habitat POOL RUN | RIFFLE | | (circle one) |
| Water Depth (ft) 4 Chann | nel Width (ft) | | 100 |
| Water Level LOW NORMAL HIGH | f FLOC | DED | (circle one) |
| Man-made Structures DAM RIPRAP E | BRIDGE | LEVEE | ISLAND |
| SHEET PILINGS OTH | ER dement | | (circle one) |
| Channelization YES NO | (circle one) | | ÷ |
| Bank Erosion SLIGHT MODERATE | SEVERE | NA | (circle one) |
| Logiam or Debris Build-up YES | NO | (circle one) | |
| Physical Obstacle Preventing Access YES (If YES, describe obstacle) | NO | (circle one) | |
| Aquatic Vegetation YES TO NO If YES, is vegetation FLOA | ATING | ATTACH | ED (circle one) |
| Sanitary Waste Odor in Water YES NO | O (circle | one) | is is |
| Sanitary Debris on Banks YES NO |) (circle | one) | |
| Sediment Compostion (Visual Observation) Plant Debris Clay Silt (Organic) Sand (<2mm diameter) Gravel (2mm to <16mm diameter) Cobble (16mm to <256mm diameter) | 10 10 | % % % % | |
| Boulder (>256mm diameter) Bedrock or Concrete | 80 | % | 14 24 |
| Sediment Color brown Sediment | ment Odor | | no |
| Oil in Sediment NONE LIGHT MODE | RATE | HEAVY | (circle one) |
| Depth of Fines (In feet using 1 inch diameter probe) | 0.1 | | / To - 10 / Co - |
| Riparian Land Use GRASSLAND 60 % (Visual Observation) URBAN RESIDENTIAL % | WETLAI FORES | | 40 % |
| URBAN COMMERCIAL/INDUSTRIAL% | ROW C | ROPS | % |
| OTHER (Specify)% | 9 7 | Ren | narks on reverse side |

| Addition | nal Remarks | | | | | | | · . |
|----------|------------------|-------------|----|-----|---|--|-----|-----|
| GPS C | GPS Coordinates: | | | | | | | |
| N 41d 5 | 51m 52.4s W | 87d 49m 37. | 4s | | | | | |
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Metropolitan Water Reclamation District of Greater Chicago

Sensitive Area Assessment

| Date | 06121102 | • | | lime | | 1:15 |
|--|--|-----------------------|-------------|----------------|-----------------------|------------------------|
| Assessment Obs | erver Sopcak | Wasik Sch | ackart | Szafoni | Minarik | Vick |
| Waterbody | Des Plaines Rive | r | | | | |
| CSO Number | 136 | Distance Below | CSO (ft) | 50 | 200 | (circle one) |
| Assessment Loc | ation Facing Upstr | eam LEF | CEN | VTER | RIGHT | (circle one) |
| Channel Habitat | POOL | > RUN | | RIFFLE | | (circle one) |
| Water Depth (ft) | 1.8 | | Channel | Width (ft) | · | 100 |
| Water Level | LOW | NORMAL | HIGH | FLOC | DED | (circle one) |
| Man-made Struc | tures DAM | RIPRAP | BRI | DGE | LEVEE | ISLAND |
| | SHEET | PILINGS | OTHER | (5)6 | (e)(V) | (circle one) |
| Channelization | YES | NO |) (circ | te one) | | |
| Bank Erosion | SLIGHT | MODERATE | Ε | SEVERE | | (circle one) |
| Logjam or Debr | is Build-up | YES | > . | NO | (circle or | 16) |
| Physical Obstack (If YES, describ | e Preventing Acce | ss YES | ¬ < | NO | (circle or | ne) |
| Aquatic Vegetation | | NO NO s vegetation | > FLOATI | NG | ATTACI | HED (circle one) |
| Sanitary Waste C | dor in Water | YES < | NO | (circle | one) | |
| Sanitary Debris of | in Banks | YÉS < | NO | (circle | one) | |
| Sediment Compo | Silt (Orga Sand (<z Gravel (; Cobble (Boulder Bedrock</z | | ameter) | 10 20 70 | % % % % % | |
| Sediment Color | Brown | - | Sedime | nt Odor | N | 2 |
| Oil in Sediment | NONE | LIGHT | MODERA' | TE | HEAVY | (circle one) |
| Depth of Fines (In | n feet using 1 inch dian | neter probe) | | 0.2 | | |
| Riparian Land Us (Visual Observation) | GRAS URBAN RESID | SSLAND 100 DENTIAL | _% _% | WETLAN | | % % |
| URBAN CO | OMMERCIAL/INDL | JSTRIAL | _% | ROWCE | ROPS _ | %. |
| OTHER | (Specify) | | _% | | Re | emarks on reverse side |

| Additional Remarks | | | | | | | |
|--|--|--|--|--|--|--|--|
| Outfall under Roosevelt Avenue bridge on the east bank | | | | | | | |
| | 100 | | | | | | |
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| Date | 06 / 27 / 02 | | | Time | | 1:15 |
|--------------------------------------|---------------------|---|-------------|---------------|-------------------|---------------------------|
| Assessment Obs | erver Sopo | ak Wasik | Schacka | art Szafon | i Minarik | Vick |
| Waterbody | Des Plaines F | River | | | | |
| CSO Number | 136 | Distance | Below CSC |) (ft) 50 | 200 | (circle one) |
| Assessment Loc | ation Facing U | pstream | LEFT | CENTER | RIGHT | (circle one) |
| Channel Habitat | POC | | RUN | RIFFL | E | (circle ane) |
| Water Depth (ft) | 4. | 7 | Cha | annel Width (| ft) | 100 |
| Water Level | LOV | NOR | MAL: HI | GH FLO | OODED | (círcle one) |
| Man-made Struc | tures DAM | RIPE | RAP | BRIDGE | LEVEE | ISLAND |
| | SHE | ET PILINGS | 0 | THER | Specify | (circle one) |
| Channelization | YES | | NO | (circle one) | | |
| Bank Erosion | SLIGHT | MOD | DERATE | SEVER | E | (circle one) |
| Logiam or Debr | is Build-up | | YES | NO |) (circle | one) |
| Physical Obstacl (If YES, descrit | | ccess | YES J | NO |) (circle | one) |
| Aquatic Vegetati | | S, is vegetati | no FL | OATING | ATTA | CHED (circle one) |
| Sanitary Waste (| Odor in Water | YES | ○ N | | arcle one) | ** |
| Sanitary Debris | on Banks | YES | N | | drde one) | * |
| Sediment Compo (Visual Observa | clay | t Debris Organic) d (<2mm diamet | er) | 40 | - % - % - % | |
| 6 . | Cob | /el (2mm to <16 ble (16mm to <2 der (>256mm d | 256mm diame | | % % | 9 |
| | | sel Shells | | 20 | _ % | # T |
| Sediment Color | Bro | wn | S | ediment Odor | · | Rotten |
| Oil in Sediment | NONE | LIGHT | MOI | DERATE | HEAVY | (circle one) |
| Depth of Fines (I | n feet using 1 inch | diameter probe) | | 0.33 | 3 | • |
| Riparian Land U | se C | RASSLAND | % | WETL | AND | % |
| (Visual Observation) | | ESIDENTIAL | % | FORE | ST | % |
| URBAN C | OMMERCIALI | NDUSTRIAL | % | | CROPS | % |
| OTHER | (Specify) | | . % | | 200.00 | Remarks on reverse side . |



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

| Stephen K. Day | /is, Chief |
|---|--|
| Date submitted: 7-/6-02 If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 6300452 Date Due: 8-18-02 |
| Applicant Name: MWRDGC Contact Person: Richard Langan Applicant Address: 100 East Enix Struct Chicago IL 60611-3154 | Phone: 3/2-751-5600 Fax: |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTIO Project Name: 1 6028053 Discharge Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9E,S2): 39 Brief Description of Proposed Action: 5 2000 Fire State Control Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this action Policy Act will apply. Contact the funding agency or this | 136 County: Cook 10 12 & Sic 14 2 Annas Evalwation on? [Yes No If Yes, the Interagency Wetlands |
| Local/State Agency with Project Jurisdiction: TEP Contact: Address: | Phone: Fax: E-mail: |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas p Could the proposed action affect the threatened/endang Is consultation terminated? Comments: Evaluated by: | gered species or Natural Area? [YES NO] |
| Division of Resource Review and Coordination (217) 78 | Date: 10-22-07 |

Visit our website at http://dnr.state.il.us/orep/nrrc/nrrc.htm

United States Department of the Interior



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)



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.



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

| Name of Responding Organization: | USFWS |
|--|---|
| Name of Person Responding: | Shawn Cirton |
| Address: | 1250 S. Grove Av., Ste. 103 |
| | Barrington, IL 60010 |
| | |
| Telephone Number: | 847-381-2253 xt 236 Signature on file |
| Signature of respondent: | Signature on file |
| • | NPDES Permit Number IL0028053 Discharge Number 136 |
| We have examined our records and within one or more of the following | determined that the subject discharge does_/ does not \(\frac{1}{2} \) fall g categories of sensitive areas: |
| (Circle all categories that a | apply) |
| 1. Designated Outstanding | National Resource Waters |
| 2. National Marine Sanctu | |
| | or endangered species and their habitat |
| 4. Shellfish beds | |
| 5. Waters with primary co | ntact recreation |
| 6. Public drinking water in | ntakes or their designated protection areas |
| Our determination is based on the | enclosed documentation: |
| (Supply supporting documentation provided below or on additional po | n for each category and reference the source in the space ages) |
| | |
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| | AXX-14 |

| Name of Responding Organization | : Illinois EPA | |
|--|---|-----------------|
| Name of Person Responding: | Robert Mosher | |
| Address: | | |
| | | |
| | | |
| Telephone Number: | 217-558-2012 | |
| Signature of respondent: | Signature on file_ | |
| | NPDES Permit Number IL0028053 Discharge Number 136 | |
| We have examined our records and within one or more of the following | determined that the subject discharge does_ g categories of sensitive areas: | / does not fall |
| (Circle all categories that a | apply) | |
| Designated Outstanding | g National Resource Waters | |
| National Marine Sanctu | paries | |
| 3. Waters with threatened | or endangered species and their habitat | |
| 4. Shellfish beds | | |
| 5. Waters with primary co | ntact recreation | |
| 6 Public drinking water in | ntakes or their designated protection areas | |
| Our determination is based on the | enclosed documentation: | |
| (Supply supporting documentation provided below or on additional p | n for each category and reference the source ages) | in the space |
| See copy of cover | Letter | |
| // / | | |
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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 GRIR. CHGO.

OIR. OF R & D 2002 JUL 26 PM 2: 27



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.



Christopher B. Barke, PhD, PE President

.

Encl. as noted

CC:

Mayor Anthony Calderone

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DIR. OF R & D

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| Name of Responding Organization | Village of Forest Park | - 1.5 |
|--|--|----------|
| Name of Person Responding: | Christopher B. Burke, PhD, PE, Village Consulting | Engine |
| Address: | 9575 W. Higgins Road | |
| ¥ | Suite 600 | 6 |
| | Rosemont, Il 60018 | |
| Telephone Number: | 847-823-0500 | |
| Signature of respondent: | | |
| | | 95 |
| | NPDES Permit Number IL0028053 Discharge Number 136 | |
| We have examined our records and within one or more of the following | determined that the subject discharge does/ does not_X fall g categories of sensitive areas: | |
| (Circle all categories that a | apply) | # # |
| 1. Designated Outstanding | National Resource Waters | |
| 2. National Marine Sanctu | aries | |
| 3. Waters with threatened | or endangered species and their habitat | 6.7 |
| 4. Shellfish beds | | |
| 5. Waters with primary co | ntact recreation | |
| 6. Public drinking water in | ntakes or their designated protection areas | ā |
| Our determination is based on the | enclosed documentation: | |
| (Supply supporting documentation provided below or on additional polynomial p | n for each category and reference the source in the space ages) | * |
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AXX-18

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 logian 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.

| Date US7 | 22102 | | Time | | 11:45 |
|--|--|--|-------------------|----------------------------|-------------------------|
| Assessment Observe | er Sopcak | • | | | |
| Waterbody Ad | dison Creek | | | | - |
| CSO Number | 150 Di | stance Below CS | SO (ft) 50 | 200 | (circle one) |
| Assessment Location | r Facing Upstream | n LEFT | CENTER < | RIGHT | (circle one) |
| Channel Habitat | POOL | RUN | RIFFLE | | (circle one) |
| Water Depth (ft) | 1.09 | CI | nannel Width (ft) | • | 29.5 |
| Water Level | LOW | NORMAL H | IIGH FLO | ODED | (circle one) |
| Man-made Structure | s DAM | RIPRAP | BRIDGE | LEVEE | ISLAND |
| | SHEET PIL | ings 🤇 | THER Concre | ete bank | (circle one) |
| Channelization | YES | NO | (circle one) | ecity) | |
| Bank Erosion C | SLIGHT | MODERATE | SEVERE | | (circle one) |
| Logjam or Debris B | uild-up | YES | NO | (circle | one) |
| Physical Obstacle Pro (If YES, describe ob- | eventing Access stacle) Steep Bank | YES S | , NO | (circle | one) |
| Aquatic Vegetation | YES \iint | NO pegetation F | LOATING | ATTAC | CHED (circle one) |
| Sanitary Waste Odor | in Water YE | s N | O (circl | e one) | |
| Sanitary Debris on Ba | anks YE | S N | O (circl | e one) | • |
| Sediment Compostion (Visual Observation) | Clay Silt (Organic) Sand (<2mm Gravel (2mm Cobble (16m | diameter) to <16mm diameter m to <256mm diame 6mm diameter) | | % % % % % % | |
| Sediment Color | Brown | s | ediment Odor | | None |
| Oil in Sediment C | NONE L | IGHT MO | DERATE | HEAVY | (circle one) |
| Depth of Fines (In feet | using 1 inch diameter | probe) | 0.1 | | • |
| Riparian Land Use | GRASSL | AND % | WETLA | ND | % |
| | JRBAN RESIDEN | | | - | 10 % |
| | ERCIAL/INDUST | | | ROPS | % |
| OTHER (Speci | fy) | % | · | F | Remarks on reverse side |

| Additional Remarks | Bottom is largely broken concrete pieces. | | | | |
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| Date 05 / 22 / | 02 | Time | | 11:55 |
|--|--|---------------|------------------|------------------------|
| Assessment Observer | Sopcak | | | |
| Waterbody Addison | n Creek | | | |
| CSO Number 150 | _ Distance Belo | w CSO (ft) 5 | 200 | (circle one) |
| Assessment Location Fac | cing Upstream LE | FT CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL RUN | RIFF | LE | (circle one) |
| Water Depth (ft) | 1.4 | Channel Width | (ft) | 29.5 |
| Water Level | LOW NORMAL | HIGH F | LOODED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| * | SHEET PILINGS | OTHER | | (circle one) |
| Channelization | YES NO | (circle one) | (Spacity) | |
| Bank Erosion SL | IGHT MODERA | TE SEVE | RE | (circle one) |
| Logjam or Debris Build- | up YES | NO | (circle o | ne) |
| Physical Obstacle Prever (If YES, describe obstacle | | ± NO | , (circle o | ne) |
| Aquatic Vegetation | YES NO NO If YES, is vegetation | FLOATING | ATTAC | HED (circle one) |
| Sanitary Waste Odor in W | Vater YES | NO | (circle one) | |
| Sanitary Debris on Banks | YES | NO | (circle one) | a a grand |
| Sediment Compostion (Visual Observation) | Plant Debris Clay Silt (Organic) Sand (<2mm diameter) Gravel (2mm to <16mm diameter) | ameter) 8(| % % % % | |
| | Cobble (16mm to <256mm | | <u> </u> | * * * |
| | Boulder (>256mm diamete | er) | % | |
| * | Bedrock or Concrete | | | 13 w |
| Sediment Color | Brown | Sediment Odd | or | None |
| Oil in Sediment | ONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet using | 1 inch diameter probe) | 0.0 |)7 | ž. |
| Riparian Land Use | GRASSLAND | | LAND _ | % |
| URB | AN RESIDENTIAL | % FOR | | <u></u> % |
| URBAN COMMERC | NALINDUS I KIAL | | CROPS _ | % |
| OTHER (Specify) | | % | R | emarks on reverse side |

| Additional Remarks | Bottom is largely broken concrete pieces. | | | | | |
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| Date 05/2 | 2702 | | | Time | | 12:00 | |
|--|--|----------------------------------|-----------|----------------|------------------|------------|--------------|
| Assessment Observer | Sopcak | | | | | | , |
| Waterbody Addi | son Creek | | | | | 1.2 | |
| CSO Number15 | 0 Dis | tance Below (| CSO (ft) | 50 | 200 | (circ | de ane) |
| Assessment Location | Facing Upstream | LEFT | CEN | ITER I | RIGHT | (oire | de one) |
| Channel Habitat | POOL | RUN | > | RIFFLE | | (circ | de one) |
| Water Depth (ft) | 1.25 | | Channel \ | Width (ft) | | 29.5 | * |
| Water Level | LOW C | NORMAL | HIGH | FLOO | DED | (circ | de one) |
| Man-made Structures | DAM | RIPRAP | BRI | DGE) | EVEE | | ISLAND |
| 7 g | SHEET PILI | NGS | OTHER | | | (circ | de one) |
| Channelization | YES | NO | (circl | e one) | my) | | |
| Bank Erosion | SLIGHT | MODERATE | | SEVERE |) . · | (circ | de one) |
| Logjam or Debris Bu | ild-up | YES | | NO | (circle | one) | 2. (0) |
| Physical Obstacle Pre- (If YES, describe obst | | YES | 刺 | NO · | (circle | one) | |
| Aquatic Vegetation | YES = | NO getation | FLOATII | NG | ATTAC | CHED | (circle one) |
| Sanitary Waste Odor in | n Water YES | < | NO | (circle | iue) | | (*) |
| Sanitary Debris on Bar | nks YES | < | NO | (circle | one) | | |
| Sediment Compostion (Visual Observation) | Mussel shell Silt (Organic) Sand (<2mm of Gravel (2mm | S diameter) to <16mm diame | | 40 10 10 | % % % % | | |
| · · · · · · · · · · · · · · · · · · · | Boulder (>256 | n to <256mm dia 6mm diameter) | meter) | | % % | 945 | 22 |
| £ | Bedrock or C | Concrete | | 10 | % | | |
| Sediment Color | Black | | Sedimer | nt Odor | | Septic | |
| Oil in Sediment | NONE LI | GHT N | /ODERA | TE I | HEAVY | (circ | ele ane) |
| Depth of Fines (In feet u | sing 1 inch diameter | probe) | | 0.03 | | | |
| 1/3 | GRASSL RBAN RESIDEN | TIAL | -% -% | WETLAN | | 20 | _% _% |
| | ERCIAL/INDUSTI | RIAL 80 | _% | ROW CR | OPS . | | -% |
| OTHER (Specify | 1 | , | _% | | | Remarks on | reverse side |

| Additional Remarks | Creek turns south and runs directly under Gardner Rd. for | | | |
|--|---|--------|--|--|
| approximately 150 feet. C | SO 150 is at north end of bridge. | | | |
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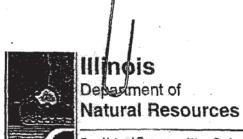
| Date US/Z | 2102 | Time | _ 1 | 2:20 |
|---|---|--|------------|---------------------------------------|
| Assessment Observer | Sopcak | | | |
| Waterbody Add | ison Creek | | | |
| CSO Number15 | 50 Distance Belov | w CSO (ft) 50 | 200 | (circle one) |
| Assessment Location | Facing Upstream LE | FT CENTER | RIGHT | (circle one) |
| Channel Habitat | POOL RUN | RIFFLE | 25 | (circle one) |
| Water Depth (ft) | 2.5 | Channel Width (ft) |). | 27 |
| Water Level | LOW NORMAL | HIGH FLO | ODED | (circle one) |
| Man-made Structures | DAM RIPRAP | BRIDGE | LEVEE | ISLAND |
| 8 = x | SHEET PILINGS | OTHER Storm | sewer | (circle one) |
| Channelization | YES NO | (circle one) | pearly) | · · · · · · · · · · · · · · · · · · · |
| Bank Erosion | SLIGHT MODERA | TE SEVERE | | (circle one) |
| Logjam or Debris Bu | ild-up YES | O NO | (circle on | a) |
| Physical Obstacle Pre (If YES, describe obst | | ₹ NO | (circle.on | |
| Aquatic Vegetation | YES NO | FLOATING | ATTACH | HED (circle one) |
| Sanitary Waste Odor i | n Water YES | NO (circ | tie one) | |
| Sanitary Debris on Bar | nks YES | NO (circ | cle one) | 380 y |
| Sediment Compostion (Visual Observation) | · · · · · · · · · · · · · · · · · · · | 50 | _ % | |
| (Florid Opper Follow) | Clay Silt (Organic) | | - % | * |
| 3 03 , | Sand (<2mm diameter) | - | - % | |
| | Gravel (2mm to <16mm dia | | % | |
| | Cobble (16mm to <256mm | Deligible Control and Control of the | _ % | 121 |
| | Boulder (>256mm diameter Bedrock or Concrete | The state of the s | - % | |
| n | | 50 | _ % | ** |
| Sediment Color | Dark Grey | Sediment Odor | | Musty |
| Oil in Sediment | NONE LIGHT | MODERATE | HEAVY | (circle one) |
| Depth of Fines (In feet u | using 1 inch diameter probe) | 0.06 | | |
| Riparian Land Use | GRASSLAND | % WETLA | ND | % |
| | RBAN RESIDENTIAL | % FORES | T = | 20 % |
| URBAN COMM | ERCIAL/INDUSTRIAL 80 | % ROW C | ROPS | % |
| OTHER (Specify | v) . | % | Ra | marks on reverse side |

| Additional Remarks | Storm sewer enters stream from concrete spillway 10 feet upstream |
|-----------------------|---|
| of sampling location. | |
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| Date 05 / 22 / 02 | Time12:25 |
|---|------------------------------|
| 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 Char | nnel Width (ft) 27 |
| Water Level LOW NORMAL HIG | GH FLOODED (circle one) |
| Man-made Structures DAM RIPRAP | BRIDGE LEVEE ISLAND |
| SHEET PILINGS OTH | HER (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 (If YES, describe obstacle) | NO (circle one) |
| Aquatic Vegetation YES TO NO If YES, is vegetation FLC | DATING ATTACHED (circle one) |
| Sanitary Waste Odor in Water YES NO | (circle one) |
| Sanitary Debris on Banks YES NO | (circle one) |
| Sediment Compostion (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 | 90 % |
| | diment Odor None |
| | ERATE HEAVY (circle one) |
| Depth of Fines (In feet using 1 inch diameter probe) | 0 |
| Riparian Land Use GRASSLAND % | WETLAND% |
| UKBAN RESIDENTIAL % | FOREST% |
| URBAN COMMERCIAL/INDUSTRIAL % | ROW CROPS% |
| OTHER (Specify)% | Remarks on reverse side |

| Additional Remarks | Bottom | Bottom is broken concrete pieces interspersed with silt. | | | | | | |
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| Date 05 / 22 / 02 | • | Time | 12 | : 30 |
|--|---|------------------|----------------------------|----------------------|
| Assessment Observer Sopcak | | | | |
| Waterbody Addison Creek | | | | |
| CSO Number 150 Dis | stance Below CSO (f | t) 50 | 200 | (circle one) |
| Assessment Location Facing Upstream | LEFT C | ENTER < | RIGHT | (circle one) |
| Channel Habitat POOL | RUN | RIFFLE | . • | (circle one) |
| Water Depth (ft) 1.4 | Chann | el Width (ft) | 2 | .7 |
| Water Level LOW | NORMAL HIGH | FLOO | DED | (circle one) |
| Man-made Structures DAM | RIPRAP E | RIDGE | LEVEE | ISLAND |
| SHEET PIL | INGS OTH | ER (Spe | · | (circle one) |
| Channelization YES | NO | (circle one) | | |
| Bank Erosion SLIGHT | MODERATE | SEVERE | | (circle one) |
| Logjam or Debris Build-up | YES C | NO | (circle one) | |
| Physical Obstacle Preventing Access (If YES, describe obstacle) Steep Bank | YES | NO | (circle one) | |
| Aquatic Vegetation YES 🤟 If YES, is ve | NO egetation FLOA | TING | ATTACHE | D (circle one) |
| Sanitary Waste Odor in Water YE | s NO |) (circle | one) | • |
| Sanitary Debris on Banks YE | s NO |) (circle | one) . | |
| Cobble (16m | i diameter) n to <16mm diameter) nm to <256mm diameter) 56mm diameter) | 10 | % % % % % % | |
| Sediment Color Brown | Sedir | ment Odor | N | one |
| Oil in Sediment NONE L | IGHT MODE | RATE | HEAVY | (circle one) |
| Depth of Fines (In feet using 1 inch diamete | r probe) | 0 | | |
| Riparian Land Use GRASSI (Visual Observation) URBAN RESIDEN | | WETLAN FOREST | - | % 00 % |
| URBAN COMMERCIAL/INDUST | TRIAL% | ROW C | ROPS | % |
| OTHER (Specify) | % | | Rema | arks on reverse side |



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

| Otephon to David, Onle, | | | | |
|--|---|--|--|--|
| Date submitted: 7-26-0 Z If this is a resubmittal, include previous IDNR response if available. | FOR DEPARTMENT USE ONLY PROJCODE: 0 3 0 0 6 1 2 Date Due: 8-25-02 | | | |
| Applicant Name: Mh/RDGC Contact Person: Richand Lawron Applicant Address: 100 E Enris (that Chicago T L 6061) | Phone: 312-751-560 U Fax: E-mail: | | | |
| LOCATION OF PROPOSED ACTION A MAP SHOWING LOCATION OF PROPOSED ACTIO Project Name: TLCO 28053 Discharge Project Address (if available): City, State, Zip: Township/Range/Section (e.g. T45N,R9F,S2): 39 | 150 County: Cook | | | |
| Township/Range/Section (e.g. T45N,R9F.S2): 39 Brief Description of Proposed Action: Secs 1711 | e areas ruduation | | | |
| Projected Start Date and End Date of Proposed Action: Will state funds or technical assistance support this action Policy Act will apply. Contact the funding agency or this | on? I Yes I NoX If Yes, the Interagency Wetlands | | | |
| Local/State Agency with Project Jurisdiction: IEP Contact: Address: | A/BOW/Penmits Phone: Fax: E-mail: | | | |
| FOR DEPARTMENT USE ONLY Are endangered/threatened species or Natural Areas pr Could the proposed action affect the threatened/endang Is consultation terminated? Comments: | resent in the vicinity of the action? [YES/NO] pered species or Natural Area? [YES/NO] [YES/NO] | | | |
| Evaluated by: Maignature on file | | | | |
| Division of Resource Review and Coordination (217) 78 | Date: 10-22-07 5-5500 | | | |

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United States Department of the Interior



FWS/AES-CIFO (T1267)

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)



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.

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Mr. Richard Lanyon

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

| Name of Responding Organization | USFW5 | |
|--|---|--|
| Name of Person Responding: | Shawn Cirton | |
| Address: | 1250 S. Grov | 1 Av., Ste, 103 |
| | Barrington, IL | 60010 |
| | U | |
| Telephone Number: | | 253 xt 236 |
| Signature of respondent: | Signature | on file |
| | NPDES Permit Number IL(Discharge Number 150 | 0028053 |
| We have examined our records and within one or more of the following | | |
| (Circle all categories that a | pply) | |
| 1. Designated Outstanding | National Resource Waters | |
| 2. National Marine Sanctu | | |
| O | or endangered species and the | ir habitat |
| 4. Shellfish beds | | |
| 5. Waters with primary con | 200 A 640 H | |
| o. Public drinking water in | takes or their designated prot | ection areas |
| Our determination is based on the e | nclosed documentation: | |
| (Supply supporting documentation provided below or on additional page 1) | | ence the source in the space |
| | | 30 35 |
| 3 | = | |
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