

EXHIBIT J

SECTION 316(a) and 316(b) DEMONSTRATION REPORTS
(cover page and table of contents)

INDIAN POINT UNIT NO. 2
INDIAN POINT UNIT NO. 3

NEAR-FIELD EFFECTS OF ONCE-THROUGH COOLING
SYSTEM OPERATION ON HUDSON RIVER BICTA

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
POWER AUTHORITY OF THE STATE OF NEW YORK

JULY 1977

INDIAN POINT UNIT NO. 2
INDIAN POINT UNIT NO. 3

NEAR-FIELD EFFECTS OF ONCE-THROUGH COOLING
SYSTEM OPERATION ON HUDSON RIVER BIOTA

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
POWER AUTHORITY OF THE STATE OF NEW YORK

JULY 1977

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Indian Point Generating Station
a 316(a) Demonstration

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Indian Point Generating Station

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Consolidated Edison Company of New York, Inc.
Power Authority of the State of New York

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Indian Point Generating Station
a 316(a) Demonstration

APPENDIX D

Procedures and Analyses-
Biological and Hydrothermal Studies

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APPENDIX D

Procedures and Analyses-
Biological and Hydrothermal Studies

Consolidated Edison Company of New York, Inc.
Power Authority of the State of New York

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FINAL REPORT
HUDSON RIVER THERMAL EFFECTS STUDIES FOR
REPRESENTATIVE SPECIES
MARCH 1978

Prepared for:

*Central Hudson Gas & Electric Corporation
Consolidated Edison Company of New York, Inc.
Orange and Rockland Utilities, Inc.*



Prepared by:

ECOLOGICAL ANALYSTS, INC.

HUDSON RIVER THERMAL EFFECTS
STUDIES FOR REPRESENTATIVE SPECIES

Final Report

Prepared for:
Central Hudson Gas & Electric Corporation
Consolidated Edison Company of New York, Inc.
Orange and Rockland Utilities, Inc.

Prepared by:
Ecological Analysts, Inc.
R.D. 2 Goshen Turnpike
Middleton, New York 10904

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THE EFFECTS OF INTAKES AND ASSOCIATED COOLING WATER SYSTEMS ON PHYTOPLANKTON AND AQUATIC INVERTEBRATES OF THE HUDSON RIVER

*Central Hudson Gas & Electric Corporation
Consolidated Edison Company of New York, Inc.
Orange and Rockland Utilities, Inc.*

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THE EFFECTS OF INTAKES AND
ASSOCIATED COOLING WATER
SYSTEMS ON PHYTOPLANKTON
AND AQUATIC INVERTEBRATES
OF THE HUDSON RIVER

Prepared for:

Central Hudson Gas & Electric Corporation
Consolidated Edison Company of New York, Inc.
Orange and Rockland Utilities, Inc.

Prepared by:

Ecological Analysts, Inc.
R.D. 2, Goshen Turnpike
Middletown, New York 10940

July 1977

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SURVIVAL OF ENTRAINED ICHTHYOPLANKTON AND MACROINVERTEBRATES AT HUDSON RIVER POWER PLANTS

Prepared for:

*Central Hudson Gas & Electric Corporation
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[UNDER SEPARATE COVER]

APPENDIX B: PREDICTIVE ASSESSMENT OF ENTRAINMENT
SURVIVAL AT HUDSON RIVER POWER PLANTS
[UNDER SEPARATE COVER]

THERMAL EFFECTS LITERATURE REVIEW
FOR HUDSON RIVER
REPRESENTATIVE IMPORTANT SPECIES

Prepared for:

Central Hudson Gas & Electric Corporation
Consolidated Edison Company of New York, Inc.
Orange and Rockland Utilities, Inc.

Prepared by

Ecological Analysts, Inc.
RD 2 Goshen Turnpike
Middletown, New York

March 1978

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SURVIVAL OF ENTRAINED
ICHTHYOPLANKTON AND
MACROINVERTEBRATES AT
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PLANTS

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Prepared by:

Ecological Analysts, Inc.
R.D. 2, Goshen Turnpike
Middletown, New York 10940

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APPENDIX A

TEMPORAL FREQUENCY OF OCCURRENCE OF ICTHYOPLANKTON
AT HUDSON RIVER POWER PLANTS

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AMBIENT AND PLANT OPERATING CONDITIONS
PREDICTED ENTRAINMENT MORTALITY FACTORS
PREDICTED ENTRAINMENT MORTALITY
PREDICTED CIRCULATION PUMP OPERATION
MINIMIZING IMPACT

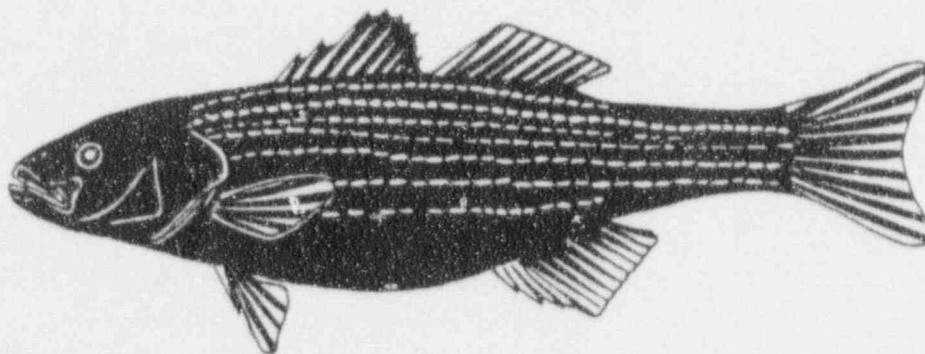
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AMBIENT AND PLANT OPERATING CONDITIONS
PREDICTED ENTRAINMENT MORTALITY FACTORS
PREDICTED ENTRAINMENT MORTALITY
PREDICTED CIRCULATING PUMP OPERATION
MINIMIZING IMPACT

B.3 INDIAN POINT GENERATING STATION

AMBIENT AND PLANT OPERATING CONDITIONS
PREDICTED ENTRAINMENT MORTALITY FACTORS
PREDICTED ENTRAINMENT MORTALITY
PREDICTED CIRCULATION PUMP OPERATION
MINIMIZING IMPACT

Influence of Indian Point Unit 2
and Other Steam Electric Generating Plants
on the Hudson River Estuary,
with Emphasis on Striped Bass and Other Fish Populations



Submitted to

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4 Irving Place
New York, New York 10003

Edited by

James T. McFadden, Ph.D.
University of Michigan

January, 1977

Technical Contributors

Texas Instruments Incorporated
Lawler, Matusky and Skelly Engineers, Inc.
New York University Medical Center

INFLUENCE OF INDIAN POINT UNIT 2
AND OTHER STEAM ELECTRIC GENERATING PLANTS
ON THE HUDSON RIVER ESTUARY
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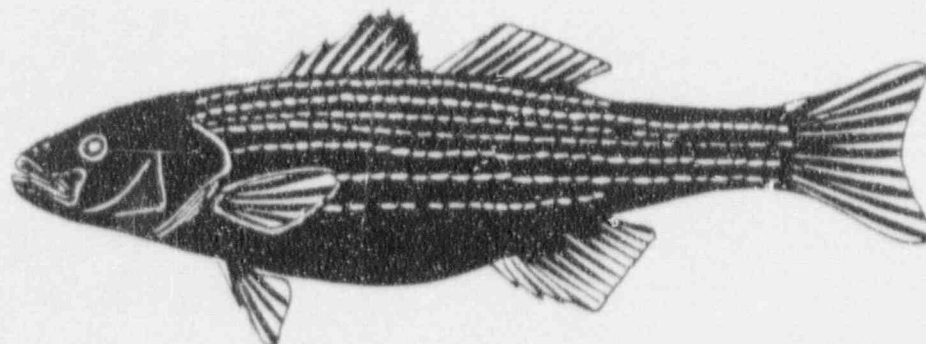
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SUPPLEMENT I

to

Influence of Indian Point Unit 2
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Technical Contributors

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Texas Instruments Incorporated
New York University Medical Center

SUPPLEMENT I

TO

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AND OTHER STEAM ELECTRIC GENERATING PLANTS
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WITH EMPHASIS ON STRIPED BASS AND OTHER FISH POPULATIONS

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Technical Contributors

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Texas Instruments Incorporated
New York University Medical Center

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Indian Point Generating Station
a 316(a) Demonstration

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Indian Point Generating Station

a 316(a) Demonstration

Consolidated Edison Company of New York, Inc.
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Indian Point Generating Station
a 316(a) Demonstration

APPENDIX D

Procedures and Analyses-
Biological and Hydrothermal Studies

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APPENDIX D

Procedures and Analyses-
Biological and Hydrothermal Studies

Consolidated Edison Company of New York, Inc.
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