New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control

9/5119

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: WOL BLACH DEVELOPMENT **DEC I.D. NUMBER** 9/5119

Current Classification 2

Activity: ☐ Add as Class ___ ☒ Reclassify to 5 ☐ Delist Category ___ ☐ Modify ___

Approvals:

Regional Hazardous Waste Engineer	Yes	☒	No	☐	11/9/94
NYSDOH	Yes	☒	No	☐	7/22/94
DEE	Yes	☒	No	☐	9/1/95
Construction Services	Yes	n/a	No	☐	N/A
BHSC: a. Investigation Section	Yes	☒	No	☐	7/18/94
b. Site Control Section					Date 3/14/95
c. Director					Date 3/14/95
DHWR Assistant Director					Date 3/15/95

Completion Checklist

		Completed By: Initials	Date
OWNER NOTIFICATION LETTER?	✓		3/31/95
ADJACENT PROPERTY OWNER NOTIFICATION LETTER?	✓		5/8/95
ENB/LEGAL NOTICE SENT? (For Deletion Only)	☐		
COMMENTS SUMMARIZED/PLACE IN REPOSITORY	☐		
FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)			

(For proposed Class 2a sites only) Planned investigative activities & dates: ___

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

10/23/91

Original-BHSC
Copy-REGION
Copy-DEE
Copy DOH
Copy-PREPARER

REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NO	3. TOWN/CITY/VILLAGE	4. COUNTY
Wide Beach Development	915119	Brant	Erie

5. REGION 9 | 6. CLASSIFICATION Current 2 Proposed 5 Modify

7. LOCATION OF SITE (Attach U.S.G.S Topographic Map showing site location)

a. Quadrangle	b. Site Latitude	Longitude	c. Tax Map Number
Farnham	42 deg. 35' 17.9"	79 deg. 07' 41"	281.060-1-7

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)
The site is a vacation community on Lake Erie consisting of 60 homes (some seasonal some year round). During the 1960's and 1970's, waste oil was used by residents to control dust. The waste oil was reported to have come from Niagara Transformer and the oil was allegedly contaminated with PCB's as well as TCDD & TCDF (dioxins).

a. Area __55__ acres b. EPA ID Number _NYD980652259_

c. Completed (X)Phase I (X)Phase II (X)PSA (X)RI/FS ( )PA/SI (X)Other (RD/RA)

9. HAZARDOUS WASTES DISPOSED
PCB contaminated oil.

10. ANALYTICAL DATA AVAILABLE
a. (X)Air (X)Groundwater (X)Surface Water (X)Soil (X)Waste ( )EPTox ( )TCLP
b. Contravention of Standards or Guidance Values
Drinking Water--Aroclor 1254 from < .05 ppb to 4.56 ppb
Soils from Roadways & drainage swales, to a depth of 3 ft.--PCB's at 200 ppm to 1026 ppm
Soils 0 - 4" in depth from yards. Aroclor 1254 .05 ppm to 600 ppm avg. 29.9 - 82.9 ppm
Carpet dust from homes - Aroclor 1254 as high as 770 ppm.

11. JUSTIFICATION FOR CLASSIFICATION DECISION
In 1985, all roads, driveways and yards with PCB contamination were covered with asphalt.
PCB-contaminated dust in carpets of homes was professionally cleaned and removed in 1985.
Soils at the site were excavated, treated and partially backfilled in 1990.
All homeowners in the development with private wells have had sediment filters installed on their drinking water supplies.
PCBs have not been detected in residential water supplies since 1985.
Human exposure to PCBs has been eliminated by the remedial measures performed to date.
No further investigations or remediation activities are planned for the Wide Beach Development Site.
No further public health actions are indicated at this time.

12. SITE IMPACT DATA
a. Nearest surface water: Distance ___0__ft. Direction __W & S_ Classification _____
b. Nearest Groundwater: Depth ___5__ft. Flow Direction _____ ( )Sole Source ( )Primary ( )Principal
c. Nearest water supply: Distance __50__ft. Direction _Wells__ Active (X)Yes ( )No
d. Nearest building: Distance ___0__ft. Direction _on-site_ Use __residences (60)_____

e. In State Economic Development Zone?	( )Y (X)N	i. Controlled site access?	( )Y (X)N
f. Crops or livestock on site?	( )Y (X)N	j. Exposed hazardous waste?	( )Y (X)N
g. Documented fish or wildlife mortality?	( )Y (X)N	k. HRS Score	_____
h. Impact on special status fish or wildlife resource?	( )Y (X)N	l. For Class 2: Priority Category	_____

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Wide Beach Community	Wide Beach Road, Brant, NY 14027	

16. PREPARER - James J. Drum
Revised By - A.J. Sylvester/D. Farrar

Signature 3/11/95 Date

_Dennis J. Farrar, SWMS II, Site Control
Name, Title, Organization

17. APPROVED

Signature 3/15/95 Date

Charles N. Goddard, Asst. Director, DHWR
Name, Title, Organization

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

Langdon Marsh
Commissioner

MEMORANDUM

TO: Richard Dana, Martin Doster, Thomas Reamon

FROM: Robert L. Marino, Site Control Section, BHSC

SUBJECT: Wide Beach Reclassification (ID #915119)

DATE: FEB 16 1995

During the course of the review of this package, Region 9 suggested that deletion of this site may be the more correct reclassification for this site. This memo is attached.

Construction Services has reviewed Marty Doster's memo of November 9, 1994 and suggested that further monitoring was not needed, and that Fish and Wildlife's concerns about agricultural uses were not germane to the site conditions. This memo is also attached. As the conditions which suggested Class 5 are no longer present, this package has been changed to D2 and routed for final review.

Please contact Dennis Farrar, of the Site Control Section, 457-0747, by February 25, 1995 if you have any questions or problems with this package.

Attachment

bcc: R. Marino
D. Farrar
A. Sylvester

AS/srh

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

Langdon Marsh
Commissioner

MEMORANDUM

TO: Charles N. Goddard, Assistant Director, DHWR

FROM: Robert L. Marino, Chief, Site Control Section, BHSC

SUBJECT: Wide Beach Reclassification (ID #915119)

DATE: FEB 1 0 1995

Construction Services has reviewed Marty Doster's Memo of November 9, 1994 and suggested that further monitoring was not needed, and that Fish and Wildlife's concerns about agricultural uses were not germane to the site conditions. As the conditions which suggested Class 5 are no longer present, I have changed this package to D2 and notified the reviewers of this change. Both memorandums are attached.

Please contact me (7-0747) if you have any questions or problems with this package.

Attachment

bcc: E. Barcomb
R. Marino
D. Farrar
A. Sylvester

AS/srh

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999

Langdon Marsh
Commissioner

M E M O R A N D U M

TO: Robert Marino - Site Control Section, Albany
FROM: Martin Doster - Region 9, Buffalo
SUBJECT: Wide Beach Site #915119
Brant (T), Erie County
DATE: November 9, 1994

This office has reviewed the proposed reclassification of the site from current class 2 to Class 5. Based upon a review of the files and reports available to us the Region concurs with the reclassification. However, below are three items to consider which may have a bearing on the reclassification;

- ▣ Staff have opined that the site may be better classified 4 - O&M - due to the required wetland restoration monitoring that will continue through 1995. For example, the contractor was required to restore nearly $50,000 worth of plantings in Spring 1994. However, the file indicates that DEC has successfully argued with EPA that wetland monitoring is not considered an O&M task *[Attached Letter dated 8/7/91, J. Van Hoesen, DEC to J. Singerman, EPA]*. This letter does state there will be some monitoring required such as surface water, sediment and groundwater. Is this monitoring still required? If so, the classification should be Class 4.

- ▣ The reclassification package states that the cleanup was performed in areas where the values of PCBs were greater than 10 ppm and that in the areas where the remedial work was performed the soil was removed to a minimum of 2 ppm. However, The Region had difficulty finding a report which accurately indicates that *any* detectable levels of PCBs were left behind. Field observations suggest that the PCB contamination was effectively removed to non-detectable levels. A review of confirmatory sampling data would assist in this review. If indeed the levels of PCBs left onsite were less than detectable limits an argument can be made that the site be more appropriately classified D-2.

- ▣ In a memo dated 12/27/93 - R.Koeppicus (DFW) to J. Van Hoesen (BCS) - DFW points out that if residuals of PCBs up to 10 ppm were left onsite, then DEC should make proper notification to the public with respect to agricultural use etc. This notification should be part of the public noticing procedures in reclassifying the site. I point out that if a determination of the exact levels of PCBs remaining onsite were known, this matter becomes a moot point.

In conclusion, based on the information available to the Region, the site is properly classified 5 as a result of the extensive remedial work performed on this site by EPA. If there are any questions regarding this matter, please contact me at (716) 851-7220.

cc: Mr. Peter Buechi/Mr. Martin Doster/Mr. Gerald Pietraszek
Mr. Cameron O'Connor
Mr. James Van Hoesen

D3file
Dennis

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road, Albany, New York 12233

MEMORANDUM

TO: Dick Dana, M. Doster, T. Reamon

FROM: Bob Marino

RE: Wide Beach Reclassification (I.D. #915119)

DATE: March 13, 1995

On February 16, 1995, I sent you a memorandum explaining that BHSC was changing the proposed classification of this site to Class D2 instead of the previously proposed Class 5. This change was based, in part, to the assumption that the project manager had reviewed the follow-up soil sampling analysis given to DEC from the USEPA and had found no concentrations of PCB's above non-detectable levels. Later review of these materials by the project manager showed the presence of PCB's in surficial soils, although below the action limits for this site. We have reinstated the originally proposed classification of Class 5. Please contact Dennis Farrar if you have any questions or problems regarding this change at 518 457-0747.

...e Department of Environmental Conservation
...se, Buffalo, New York 14203-2999

Langdon Marsh
Commissioner

M E M O R A N D U M

TO: Robert Marino - Site Control Section, Albany
FROM: Martin Doster - Region 9, Buffalo
SUBJECT: Wide Beach Site #915119
Brant (T), Erie County
DATE: February 21, 1995

I have received your memo dated February 16, 1995 which suggests that Site Control has decided to reclassify this site to D-2 based in part on my memo dated November 9, 1994.

I would like to reiterate my earlier comment regarding the likelihood that PCB residuals ... below detection limits. My comment intimated that if D-2 was to be considered, then the ...reau of Construction Services Project Manager must evaluate the available data. Has this been done? I... you should attach the evaluation to your February 16, 1995 memo.

Region 9's opinion has not changed on this matter and I will support a properly documented D-2 package. If you have any questions, please call me at (716) 851-7220.

cc: Mr. Peter Buechi/Mr.Michael Emery/Mr. Gerald Pietraszek/file
Mr. James Van Hoesen

Dennis / Tony
Let's discuss
BM

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Center for Environmental Health 2 University Place Albany, New York 12203-3399

Mark R. Chassin, M.D., M.P.P., M.P.H.
Commissioner

Paula Wilson
Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH

Lloyd F. Novick, M.D., M.P.H.
Director

Diana Jones Ritter
Executive Deputy Director

William N. Stasiuk, P.E., Ph.D.
Center Director

TONY

JUL 2 1994

July 22, 1994

Mr. Earl Barcomb, P.E., Director
Bureau of Hazardous Site Control
NYS Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233

RE: Registry Site Classification Decision
Wide Beach Development
(T) Brandt, Erie County
Site ID #915119

Dear Mr. Barcomb:

My staff have reviewed the reclassification request for the Wide Beach Development (ID #915119) located in the Town of Brandt, Erie County. I support the reclassification of this site from Class 2 to Class 5 as PCB contaminated soil at the site has been treated to 2 ppm and removed from the site. Further, the ground water at this site has reverted to its original quality.

If you have any questions, please call me or Mr. Gerald M. Meehan at 458-6309.

Sincerely,

Allison C. Wakeman

Allison C. Wakeman
Chief, Western/Niagara Section
Bureau of Environmental Exposure
Investigation

pdk/94201PRO0451

cc: Dr. N. Kim
Mr. A. Wakeman/Mr. G. Meehan
Dr. O. Smith Blackwell/Mr. C. O'Connor, WRO
Mr. J. Kociela, ECHD
Mr. W. Demick, DEC
Mr. R. Marino, DEC
Mr. M. Doster, DEC Reg. 9

15 (12-75)

New York State Department of Environmental Conservation

MEMORANDUM

TO: Earl Barcomb, Director, Bureau of Hazardous Site Control
FROM: James Van Hoesen, Chief, Western Field Services Section
THRU: Alan Rockmore, Director, Bureau of Construction Services
SUBJECT: Wide Beach Superfund Site, Site #9-15-119, Erie County

DATE: DEC 17 1992

ThermoCor, Inc. conducted a remedial action on behalf of the EPA at the above-referenced site. Remedial work at the site was performed in accordance with the ROD, the approved contract documents and is now considered complete. At this time, we recommend the site be reclassified from 2 to 5.

This recommendation is based on the fact that the soils contaminated with PCB greater than 10 ppm have been treated to destroy the PCBs.

Supporting documentation, including an additions/charges to registry of inactive hazardous waste disposal sites form and a preliminary assessment are attached as justification for the proposed delisting.

If you have any questions, please call Jim Drumm at 7-9285.

Attachments

cc: w/o att.: B. Schick
G. Meehan - NYSDOH
M. Doster - NYSDEC Region 9
P. Buechi - NYSDEC Region 9
J. Feron - NYSDEC Region 9

FOIL

Releasable ✓

Non-Releasable

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

August 7, 1991

Mr. Joel Singerman
USEPA Region II
26 Federal Plaza
New York, NY 10278

Dear Mr. Singerman:

Re: Site #9-15-119
Wide Beach Site
Erie County

This letter is in response to Herb King's letter dated June 19, 1991. The letter addresses the proposed Inspection/Maintenance (IM) requirements for the Wide Beach Site. These activities will be discussed here with reference to operation and maintenance (O&M) and monitorings activities after remediation of a site specified in the State Superfund contract.

In the strictest sense, O&M are measures required to maintain the effectiveness of a response action (40 CRF 300.5 [43]). These activities include physical or analytical measurements necessary to signal the needs for repair of a action taken. Monitoring is actually part of the remedial action (40 CFR 300.5 [56]), CERCLA §101(24), 42 USC §9601(24)). Monitoring activities are those that.are reasonably required to assure that such actions protect the public health and welfare and the environment. The fact that O&M and monitoring are conducted simultaneously does not change this basic delineation of tasks.

Specifically for the four items in your consultants proposal, maintenance of the storm drainage system, roadways, lawns and wetland are not intended to maintain the effectiveness of the response action, and therefore are not the State's responsibility. Installation of the roadways and storm sewers as well as restoration of the lawns and wetland is not part of the remedial action itself but is simply part of the process of restoring the property once it has been disrupted during construction of the remedial action. These components will be maintained by local government under their infrastructure activities without regards to the remediation performed. Other work to assure proper construction will be under guarantee by the contractor.

The Department does not believe any of these tasks are considered operation and maintenance. Some sampling activities, of course, will be necessary to monitor the effectiveness of the remedy.

The significance of distinguishing between measures taken for O&M and monitoring for the remedial action lies in the rule that States must provide assurances for, and 100% of the costs of O&M, but only 10% of the cost of remediation. Notwithstanding the current discussions between USEPA and NYSDEC regarding remedial action versus O&M, I believe we can agree upon what types of monitoring should be associated with remedial action and what types of measures should be part of O&M for the Wide Beach Site.

In summary, inspection and maintenance of the four referenced items with the exception of the sampling and analysis of the water and sediment in the storm sewer and groundwater monitoring are not inspection and maintenance of the remedial action and is, therefore, not the State's responsibility.

If you would like to discuss this issue in more detail, please call the project manager of the Wide Beach Site, Jim Drumm at (518) 457-9285.

Sincerely,

James Van Hoesen

James G. Van Hoesen, P.E.
Chief, Western Field Services Section
Bureau of Construction Services
Division of Hazardous Waste Remediation

cc: H. King - USEPA Region II
S. Siryj - USACE

bcc: J. Feron - NYSDEC Region 9
M. Doster - NYSDEC Region 9
P. Buechi - NYSDEC Region 9
G. Rider
S. Scharf
R. Schick
J. Drumm
J. Van Hoesen
Dayfile

JD/mj
Drumm#3 a:joelswb.ltr

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, NEW YORK 10278

JUN 19 1991

James Drumm
Western Field Services Section
Bureau of Construction Services
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233

Re: Wide Beach Development Site

Dear Mr. Drumm:

Enclosed is a copy of a letter dated June 5, 1991, received from Ming Kuo of the Ebasco Services, Inc. indicating the proposed Inspection/Maintenance (I/M) requirements for the Wide Beach Development site.

In accordance with the State Superfund contract the Environmental Protection Agency is submitting the proposed I/M requirements to the New York State Department of Environmental Conservation (NYSDEC) for its comments and concurrence.

Should you have any further questions regarding this, please do not hesitate to call me at (212) 264-1129.

Sincerely,

Herbert H. King, Project Manager
Western New York Superfund Section I

Enclosure

cc: H. Guzman, ORC

EBASCO ENVIRONMENTAL
A Division of EBASCO SERVICES INCORPORATED

EBASCO

160 Chubb Avenue, Lyndhurst, NJ 07071-3586, (201) 460-6500

June 5, 1991

Mr. Herbert King
Remedial Project Manager
U.S. Environmental Protection Agency
26 Federal Plaza
New York, New York 10278

SUBJECT: ARCS II PROGRAM - EPA CONTRACT NO. 68-W8-0110
WORK ASSIGNMENT NO. 023-2R46
WIDE BEACH DEVELOPMENT SITE
REMEDIAL ACTION TECHNICAL SUPPORT

POST-CONTRUCTION INSPECTION/MAINTENANCE REQUIREMENTS,
WIDE BEACH DEVELOPMENT SITE

Dear Mr. King:

As advised, attached please find the potential post-construction inspection/maintenance activities proposed by Ebasco for the Wide Beach Development Site.

If you have any questions on this subject, please call me at (201) 460-6082.

Very truly yours,

M. B. Kuo

Ming Kuo, Ph.D., P.E.
Site Manager

cc: D. Sachdev
G. Mattson
A. Olis
M. Hsieh
Project File

INSPECTION/MAINTENANCE REQUIREMENTS
WIDE BEACH DEVELOPMENT SITE

ITEM	REQUIREMENTS	FREQUENCY
1. STORM DRAINAGE SYSTEM		ANNUALLY
a. Catch basin and pipes	o Collect sediment samples for PCB analysis o Inspection for clogging and cleanup	
b. Outfall	o Inspect for overall structural integrity. o Repair riprap protection and remove sediments as needed	
2. ROADWAY ASPHALT PAVEMENT	o Inspect for overall integrity, repair as needed	ANNUALLY
3. LAWNS	o Survey visually for planting success, replant as needed o Collect soil and plant samples for fertility and other nutrient tests o Apply soil amendments as needed	TWICE A YEAR (start and end of each growing season)
4. WETLANDS	o Survey for planting success, replace dead trees, shrubs, herbs or grass if in excess of 15% of the original planting (85% survival)	TWICE A YEAR (start and end of each growing season)

EFP

FOIL

Releasable

Non-Releasable ✓

MD

M E M O R A N D U M

December 27, 1993

TO: James Van Hoesen, Chief Western Field Services Section, Bureau of Construction Services, Division of Hazardous Waste Remediation

FROM: Richard Koeppicus, Hazardous Waste Site Evaluation Unit, Division of Fish and Wildlife

SUBJECT: Wide Beach Site #9-15-119, Notice of Intent to Delete. Your memorandum of December 21, 1993 responding to Emmy Thomee's memorandum to Jim Drumm dated November 24, 1993.

Your memorandum states that the Division of Fish and Wildlife had no comments on the remedy chosen for Wide Beach and implicitly suggests that lack of comment on the remedy necessarily leads to a conclusion that a chosen remedy can be equated with no residual risk for a given site. That implicit suggestion is, of course, wrong since remedy selection entails other factors such as cost, available technology to do the clean up, etc.

The second subject your memorandum deals with is wetland mitigation and you state that your office was not notified of DFW's desire for a five year review. I can not find in our files such a notification for a 5 year review, but there is a memorandum in our files (Cooper to Drumm 10/5/90 - wetland restoration/mitigation plan for Wide Beach Site) which asks whether there is a long term monitoring effort to evaluate effectiveness of the remediation. Additionally, our files contain a report entitled "Wetland Restoration Planting Plan Wide Beach Development Site" August, 1990 by Ebasco Services, Inc. Page four of the Plan states the "...wetland will be maintained and monitored twice a year ... for the first three years following the completion of all planting and that an "...annual report, including photo documentation, shall be prepared and submitted by December 1 of each year. The Notice of Intent to Delete presumably includes a three-year maintenance plan for the wetland restoration component of the remedy.

Your final point presents a procedural dilemma that reviews are not possible if a site is delisted. However, our requests for review monitoring was made prior to DEC approval of the intent to delete, when it would have been possible.

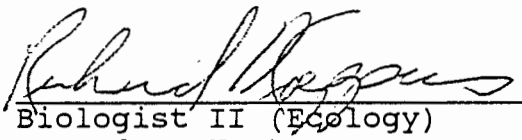
Considering your comments and Emmy's, I still find Emmy's appropriate. Though there was no comment (based on your memorandum) by DFW on the remedy, does not mean that residual risk is not present. In this case, based in part on a new analysis done after the remedy was chosen, residual wildlife affects are expected and should be given recognition in public documents.

I am willing to compromise on the length of time for review of mitigation from 5 to 3 years as is included in the Ebasoco plan and the current notice). However, based on the procedural dilemma you identified, I am uncertain how the monitoring program can be enforced once the site is delisted.

Finally, Emmy's suggestion to notify people using the land for agricultural purposes of residual risk to wildlife may be of interest to them, is in the interest of truthfulness in government and I consider it appropriate.

Lastly, it did not make sense for DEC to approve the Notice until the 3 years of review of the wetland restoration have occurred. I hope this is not the beginning of a policy to consider wetland restoration an unimportant element at hazardous waste sites.

I consider it unfortunate that items that have been identified were not further discussed. There may have been some way to accommodate them prior to DEC approval of the Notice.



Biologist II (Ecology)
Hazardous Waste

RK:rd
cc: J. Colquhoun
J. Cooper
L. Nelson
E. Thomee/P. Carella
J. Drumm
E. McCandless
M. Doster
A. Rockmore
P. Buechi
B. Schoch

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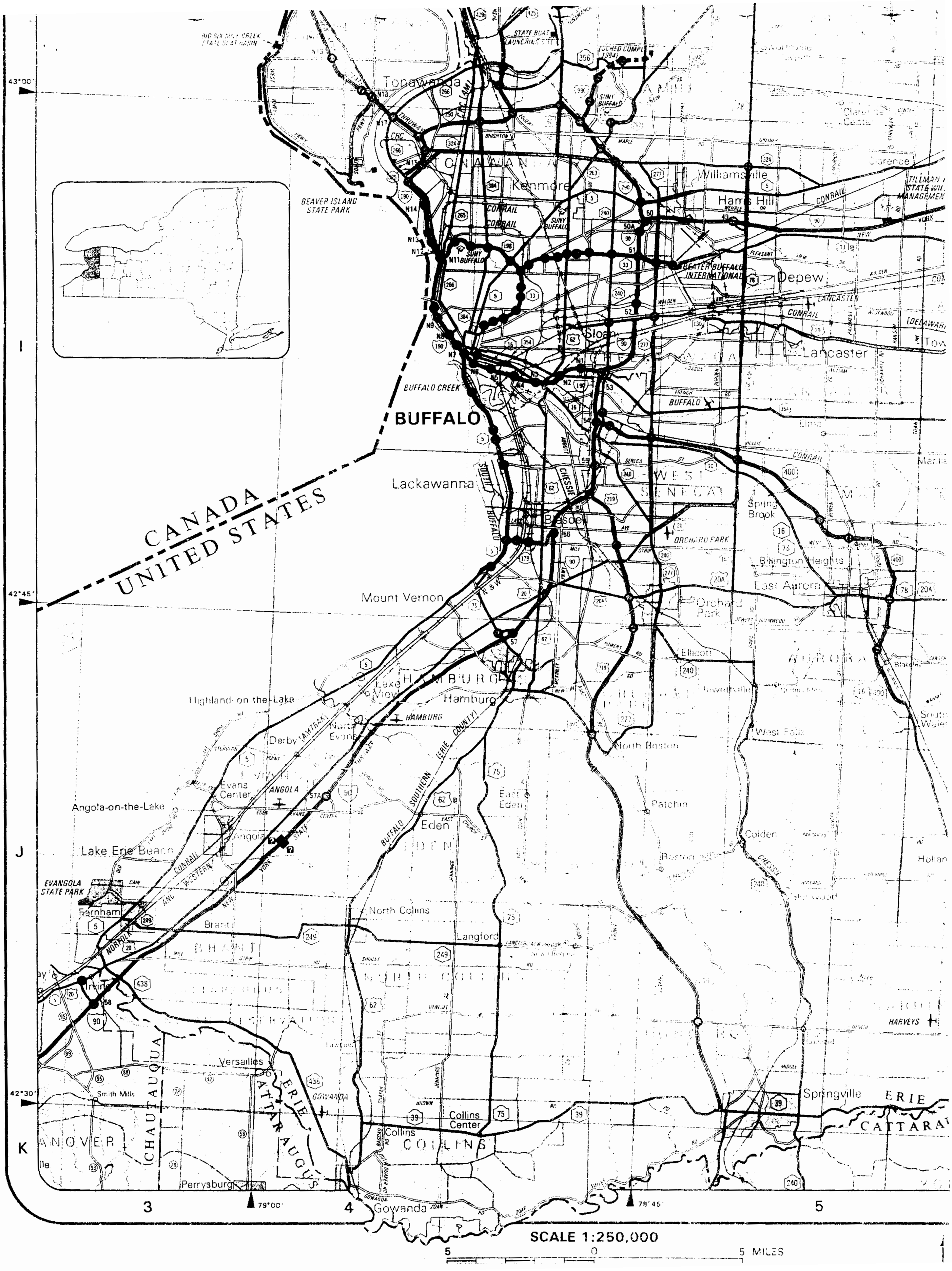
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Tonawanda
Kenmore
Williamsville
Harris Hill
Depew
Lancaster
Sloan
Lackawanna
Blasdell
Orchard Park
East Aurora
Mount Vernon
Lake View
Hamburg
Highland-on-the-Lake
Derby
North Evans
Evans Center
Angola
Angola-on-the-Lake
Lake Erie Beach
Farnham
Brant
Irving
Eden
East Eden
North Collins
Langford
Collins Center
Collins
Gowanda
Versailles
Perrysburg
Smith Mills
North Boston
Boston
Patchin
Colden
Springville
Ellicott
West Falls
Billington Heights
Spring Brook
BEAVER ISLAND STATE PARK
EVANGOLA STATE PARK
BUFFALO CREEK
GREATER BUFFALO INTERNATIONAL
ORCHARD PARK
HAMBURG
ANGOLA
GOWANDA
SUNY BUFFALO
CONRAIL
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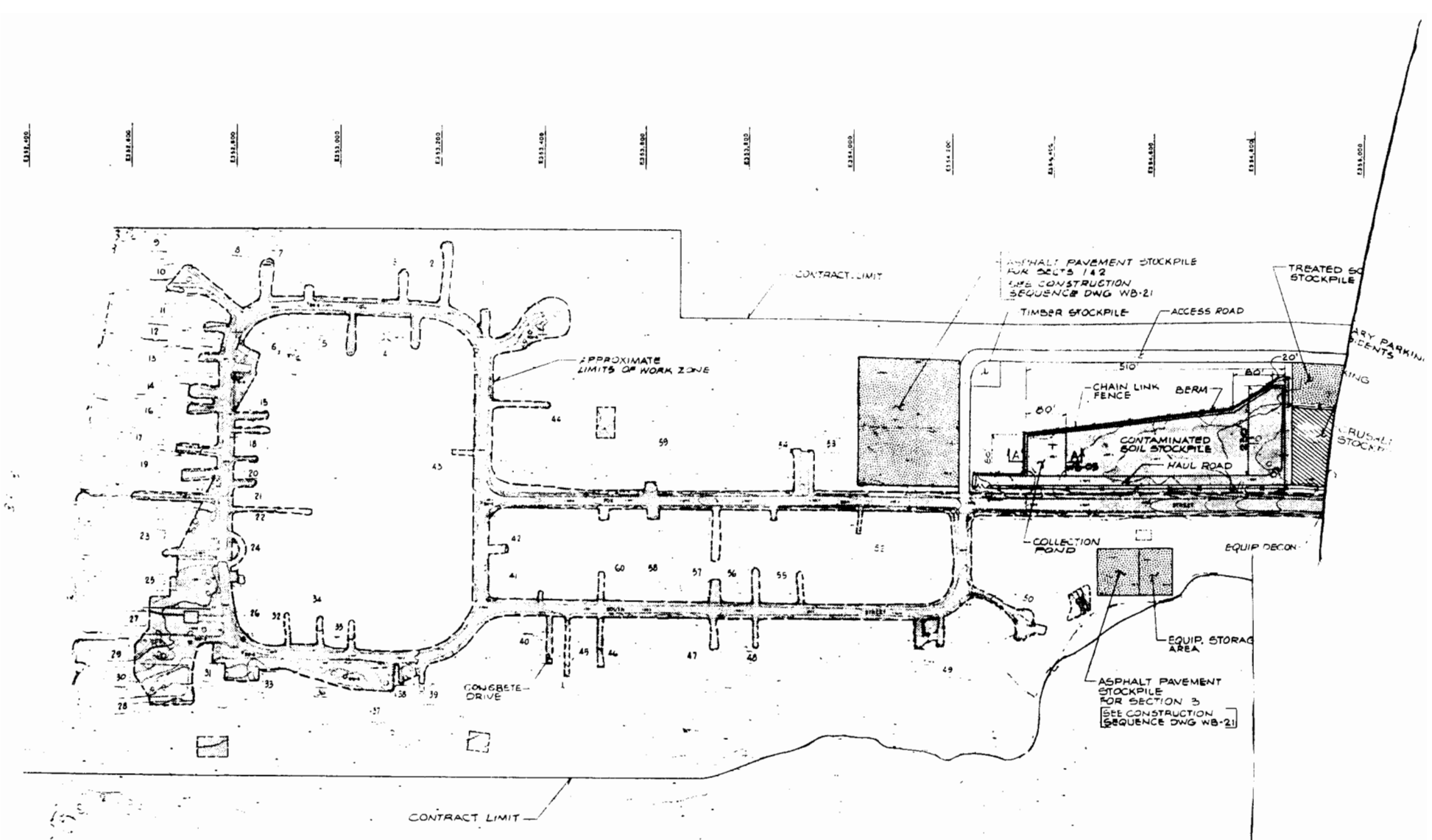


LEGEND

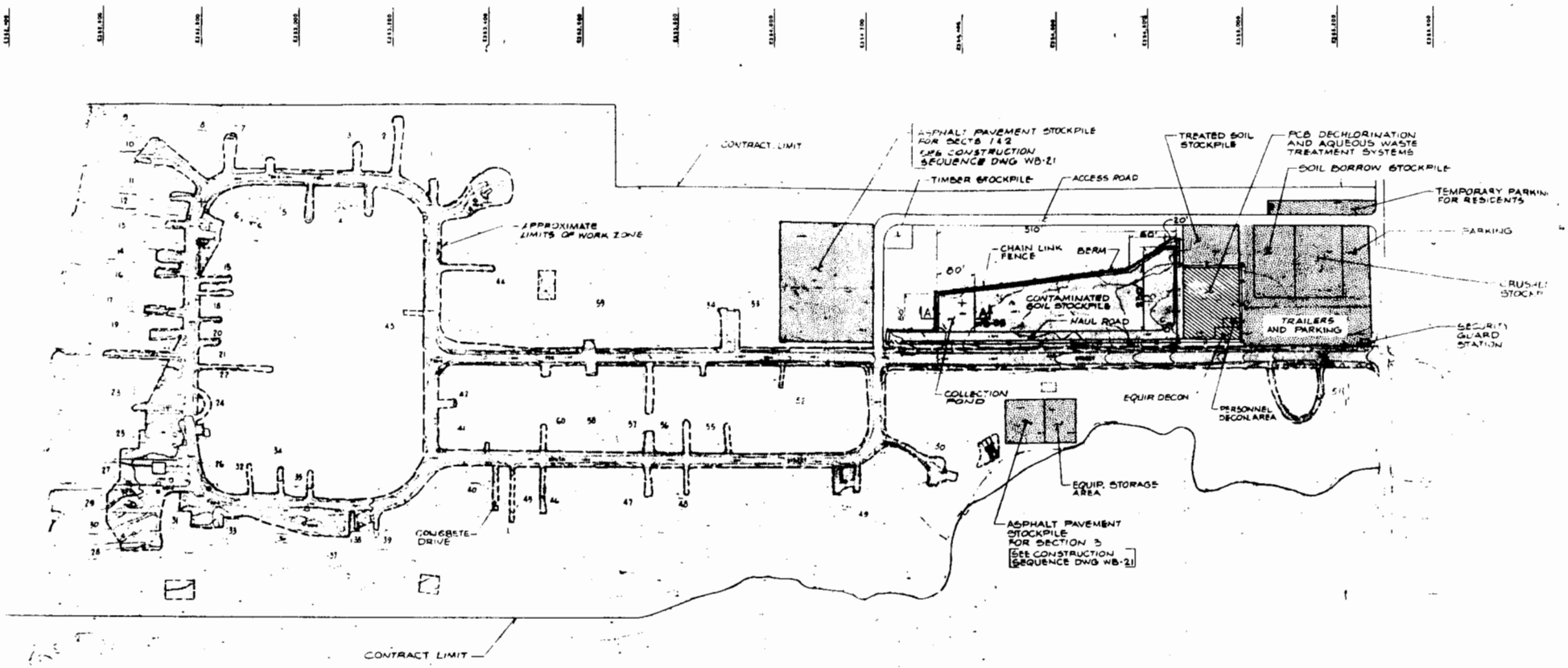
- EXCLUSION ZONE
- CONTAMINATION REDUCTION ZONE
- SUPPORT ZONE
- 1 HOUSE NO

NOTES

1. AREAS TO BE CLEARED AND GRUBBED INCLUDE THOSE DESIGNATED WITH THE EXCLUSION ZONE, CONTAMINATION REDUCTION ZONE, SUPPORT ZONE SYMBOLS AND ACCESS ROAD.
2. THE WORK ZONE ALONG THE ROADWAY IS CONSIDERED AN EXCLUSION ZONE ONLY WHEN THAT SECTION IS BEING REMEDIATED. (SEE DWG WB-21 FOR CONSTRUCTION SEQUENCE)
3. CONTRACTOR SHALL GRADE THE AREA USED FOR TEMPORARY SITE FACILITIES AS REQUIRED FOR HIS USE
4. LAYOUT OF STOCKPILING AREAS AND TEMPORARY SITE FACILITIES SHOWN ARE SUGGESTED LOCATIONS. ANY CHANGES MUST BE APPROVED BY CONTRACTING OFFICER.
5. FOR SUGGESTED DETAILS OF SITE FACILITIES SHOWN SEE DRAWINGS WB-05 AND WB 06.
6. FOR PCB DECHLORINATION SYSTEM LAYOUT SEE DRAWING (WB-25)
7. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL TEMPORARY UTILITIES.
8. UPON COMPLETION OF SITE WORK CONTRACTOR MUST REMOVE ALL TEMPORARY FACILITIES FROM THE SITE.
9. THIS DRAWING FOR BID PURPOSES ONLY.
10. COORDINATES BASED ON NEW YORK COORDINATE SYSTEM, WEST ZONE
11. TOPOGRAPHY, ROADWAYS, DRIVEWAYS, HOUSE LOCATIONS ETC. FROM PHOTOGRAMMETRIC MAP BY LOCKWOOD SUPPORT SERVICES, ROCHESTER, N.Y. (MAY, 1984)
12. TEMPORARY CONSTRUCTION EASMENTS REQUIRED WITHIN CONTRACT

REFERENCE SPECIFICATIONS

SECTION 01065 - HEALTH AND SAFETY REQUIREMENTS
SECTION 01430 - CHEMICAL TESTING LABORATORY SERVICES
SECTION 01505 - MOBILAZATION / DEMOBILIZATION
SECTION 01510 - TEMPORARY SITE FACILITIES AND UTILITIES
SECTION 01540 - SECURITY
SECTION 01560 - TEMPORARY CONTROLS/ENVIRONMENTAL PR
SECTION 01561 - DUST CONTROL
SECTION 01563 - EROSION AND SEDIMENT CONTROL
SECTION 01700 - PROJECT CLOSEOUT
SECTION 02100 - SITE PREPARATION
SECTION 03200 - CONCRETE REINFORCEMENT
SECTION 03310 - STRUCTURAL CONCRETE
SECTION 11305 - AQUEOUS WASTE TREATMENT SYSTEM
SECTION 11505 - PCB DECHLORINATION SYSTEM



LEGEND

- EXCLUSION ZONE
- CONTAMINATION REDUCTION ZONE
- SUPPORT ZONE
- 1 HOUSE NO

NOTES

1. AREAS TO BE CLEARED AND GRUBBED INCLUDE THOSE DESIGNATED WITH THE EXCLUSION ZONE, CONTAMINATION REDUCTION ZONE, SUPPORT ZONE SYMBOLS AND ACCESS ROAD.
2. THE WORK ZONE ALONG THE ROADWAY IS CONSIDERED AN EXCLUSION ZONE ONLY WHEN THAT SECTION IS BEING REMEDIATED. (SEE DWG WB-21 FOR CONSTRUCTION SEQUENCE)
3. CONTRACTOR SHALL GRADE THE AREA USED FOR TEMPORARY SITE FACILITIES AS REQUIRED FOR HIS USE
4. LAYOUT OF STOCKPILING AREAS, AND TEMPORARY SITE FACILITIES SHOWN ARE SUGGESTED LOCATIONS. ANY CHANGES MUST BE APPROVED BY CONTRACTING OFFICER.
5. FOR SUGGESTED DETAILS OF SITE FACILITIES SHOWN SEE DRAWINGS WB-05 AND WB 08.
6. FOR PCB DECHLORINATION SYSTEM LAYOUT SEE DRAWING (WB-25)
7. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL TEMPORARY UTILITIES.
8. UPON COMPLETION OF SITE WORK CONTRACTOR MUST REMOVE ALL TEMPORARY FACILITIES FROM THE SITE.
9. THIS DRAWING FOR BID PURPOSES ONLY.
10. COORDINATES BASED ON NEW YORK COORDINATE SYSTEM, WEST ZONE
11. TOPOGRAPHY, ROADWAYS, DRIVEWAYS, HOUSE LOCATIONS, ETC. FROM PHOTOGRAMMETRIC MAP BY LOCKWOOD SUPPORT SERVICES, ROCHESTER, N.Y. (MAY, 1984)
12. TEMPORARY CONSTRUCTION EASMENTS REQUIRED WITHIN CONTRACT LIMITS SHALL BE OBTAINED BY THE EPA.

REFERENCE SPECIFICATIONS

SECTION 01065 - HEALTH AND SAFETY REQUIREMENTS
SECTION 01430 - CHEMICAL TESTING LABORATORY SERVICES
SECTION 01505 - MOBILAZATION / DEMOBILIZATION
SECTION 01510 - TEMPORARY SITE FACILITIES AND UTILITIES
SECTION 01560 - SECURITY
SECTION 01566 - TEMPORARY CONTROLS/ENVIRONMENTAL PROTECTION
SECTION 01562 - DUST CONTROL
SECTION 01563 - EROSION AND SEDIMENT CONTROL
SECTION 01700 - PROJECT CLOSEOUT
SECTION 02100 - SITE PREPARATION
SECTION 03200 - CONCRETE REINFORCEMENT
SECTION 03310 - STRUCTURAL CONCRETE
SECTION 11305 - AQUEOUS WASTE TREATMENT SYSTEM
SECTION 11505 - PCB DECHLORINATION SYSTEM

DRAWINGS IN THIS FOLIO HAVE BEEN REDUCED TO ONE HALF THE ORIGINAL SCALE

Revisions	
Symbol	Descriptions

EBASCO SERVICES INCORPORATED

U.S. ARMY ENGINEERS CORPS OF ENGINEERS KANSAS CITY

Designed by: J Simpson
Drawn by: E KIRIAKATIS
Checked by:

WIDE BEACH DEVELOPMENT

SITE GENERAL ARRANGEMENT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 02 REGION: 9 SITE CODE: 915119
EPA ID: NYD980652259

NAME OF SITE : Wide Beach
STREET ADDRESS: Wide Beach Community
TOWN/CITY: Brant, NY COUNTY: Erie ZIP: 14027

SITE TYPE: Open Dump- Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Wide Beach Community (66 Homes)
CURRENT OWNER ADDRESS.: Brant, NY
OWNER(S) DURING USE...: Wide Beach Community
OPERATOR DURING USE...:
OPERATOR ADDRESS.....:
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1960 To 1970's

SITE DESCRIPTION:

During the 1960's and 1970's, waste oil was used by residents to control dust. The waste oil was reported to have come from Niagara Transformer and the oil was allegedly contaminated with PCB's as well as TCDD & TCDF (dioxins). PCB's were also detected in some groundwater samples. The community at Wide Beach consists of 66 homes and all use individual wells. A Federal Superfund Site Remedial Investigation and Feasibility Study started 8/84, and was completed in 8/85. The ROD was signed on 9/30/85. EPA assumed the lead on this site in 5/86. Bench studies were completed during 1987 for the destruction of PCB's by using Potassium polyethylene glycol (KPEG). A pilot KPEG plant was started at Wide Beach in March 1988 and operated until September 1988. Design of the final remedial action was completed, and a construction contract with Kimmins Thermal to build the treatment works was signed. Kimmins introduced a KPEG processor from Soiltech Inc. EPA accepted the substitution (for the Galson Reactor) subject to full scale test, which was successful. Soil excavation and processing has been completed.

1989:
Soils at the site were excavated, treated and partially backfilled in 1990.
All homeowners in the development with private wells have had sediment filters installed on their drinking water supplies.
PCBs have not been detected in residential water supplies since 1985.
Human exposure to PCBs has been eliminated by the remedial measures performed to date.
No further investigations or remediation activities are planned for the Wide Beach Development Site.
No further public health actions are indicated at this time.

HAZARDOUS WASTE DISPOSED: TYPE	Confirmed-	Suspected- QUANTITY (units)
Waste oil containing TCDD, chloroform, PCBs, trichloroethane, trichlorobenzene, dichloroethane, benzofluoranthene, lead, arsenic		30-40 drums/yr

S 560

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

Langdon Marsh
Commissioner

MEMORANDUM

TO: Charles N. Goddard, Assistant Director, DHWR

FROM: Robert L. Marino, Chief, Site Control Section, BHSC

SUBJECT: Wide Beach Reclassification (ID #915119)

DATE: FEB 16 1995

Construction Services has reviewed Marty Doster's Memo of November 9, 1994 and suggested that further monitoring was not needed, and that Fish and Wildlife's concerns about agricultural uses were not germane to the site conditions. As the conditions which suggested Class 5 are no longer present, I have changed this package to D2 and notified the reviewers of this change. Both memorandums are attached.

Please contact me (7-0747) if you have any questions or problems with this package.

Attachment

OK
CWG
2/16/95

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999

Langdon Marsh
Commissioner

M E M O R A N D U M

TO: Robert Marino - Site Control Section, Albany
FROM: Martin Doster - Region 9, Buffalo
SUBJECT: Wide Beach Site #915119
Brant (T), Erie County
DATE: November 9, 1994

This office has reviewed the proposed reclassification of the site from current class 2 to Class 5. Based upon a review of the files and reports available to us the Region concurs with the reclassification. However, below are three items to consider which may have a bearing on the reclassification;

- ▣ Staff have opined that the site may be better classified 4 - O&M - due to the required wetland restoration monitoring that will continue through 1995. For example, the contractor was required to restore nearly $50,000 worth of plantings in Spring 1994. However, the file indicates that DEC has successfully argued with EPA that wetland monitoring is not considered an O&M task *[Attached Letter dated 8/7/91, J. Van Hoesen, DEC to J. Singerman, EPA]*. This letter does state there will be some monitoring required such as surface water, sediment and groundwater. Is this monitoring still required? If so, the classification should be Class 4.

- ▣ The reclassification package states that the cleanup was performed in areas where the values of PCBs were greater than 10 ppm and that in the areas where the remedial work was performed the soil was removed to a minimum of 2 ppm. However, The Region had difficulty finding a report which accurately indicates that *any* detectable levels of PCBs were left behind. Field observations suggest that the PCB contamination was effectively removed to non-detectable levels. A review of confirmatory sampling data would assist in this review. If indeed the levels of PCBs left onsite were less than detectable limits an argument can be made that the site be more appropriately classified D-2.

- ▣ In a memo dated 12/27/93 - R.Koeppicus (DFW) to J. Van Hoesen (BCS) - DFW points out that if residuals of PCBs up to 10 ppm were left onsite, then DEC should make proper notification to the public with respect to agricultural use etc. This notification should be part of the public noticing procedures in reclassifying the site. I point out that if a determination of the exact levels of PCBs remaining onsite were known, this matter becomes a moot point.

In conclusion, based on the information available to the Region, the site is properly classified 5 as a result of the extensive remedial work performed on this site by EPA. If there are any questions regarding this matter, please contact me at (716) 851-7220.

cc: Mr. Peter Buechi/Mr. Martin Doster/Mr. Gerald Pietraszek
Mr. Cameron O'Connor
Mr. James Van Hoesen

15 (12-75)

Dennis Terry

New York State Department of Environmental Conservation

MEMORANDUM

TO: Robert Marino, Chief, Site Control Section, Bureau of Hazardous Site Control
FROM: James Van Hoesen, Chief, Central Field Services Section, Bur. of Construction Services
SUBJECT: Wide Beach Site, Site #9-15-119, Erie County
DATE: JAN 1 0 1995

Upon review of the November 9, 1994 memo from Martin Doster to yourself, we offer the following comments:

1. Bullet #1; The reason why DEC refused to accept Operation & Maintenance (O&M) responsibilities at the Wide Beach Site is because the responsibilities did not relate to montoring the remedy but to the satisfactory installation (reconstruction) of the wetland. EPA was responsible for all construction activities. The monitoring described in the August 7, 1994 letter does not pertain to the efficacy of the remedy. DEC should not be put in the position of maintaining landscaping.

2. Bullet #2; we concur.

3. Bullet #3; The DFW comment stems from an erroneous assumption that some of the site was used for agricultural purposes. However, the Wide Beach site is a beach community. There are no agricultural uses in the formerly contaminated areas. (Except for some small private gardens.)

If you have any questions, please call Jim Drumm at 7-7878.

cc: M. Doster - NYSDEC, Region 9
P. Buechi - NYSDEC, Region 9

RECEIVED
JAN 1 1 199

ADJACENT OWNERS FOR SITE NO. 915119

QUERY NAME . . . . . ADJPROPX
LIBRARY . . . . . #QUERY

FILE NAME . . . . . F.SBLFIL

DATE 02/22/95
TIME 14.28.59

Special search of Adjacents for 915119

Site Code (ID)	Site Name	Adjacent Parcel Owner	ADJ. PARCEL ADDRESS	STREET OR ROAD	CO/MAIL	ADDRESS	ADJ. OWNER ADDRESS	ADJ. OWNER CITY	Adj Parcel Owner Zip	Distance From Centroid
915119	Wide Beach	COMMUNITY - WIDE BEACH	WIDE BEACH	RD	18 WIDE BEACH	IRVING N Y 14081			14081	0
	Wide Beach	SEILER JOHN B & KATHLEEN	FOX STREET		LOCKPORT, NY				14094	148
	Wide Beach	WINNICKI RICHARD J	FOX STREET		CHEEKTOWAGA, NY				14225	188
	Wide Beach	NOSBISCH JAMES M & JANIC	34	FOX STREET	WEST SENECA, NEW YORK 142				14081	292
	Wide Beach	YAGER JEANNINE	FOX STREET		CHEEKTOWAGA N Y				14225	297
	Wide Beach	CARDINO CHARLES	FOX STREET		WILLIAMSVILLE N Y				14221	298
	Wide Beach	MARCY RICHARD L & ELLEN	18	FOX STREET	IRVING N Y				14081	316
	Wide Beach	NEWMAN LOUIS C	30	FOX STREET	IRVING N Y				14081	325
	Wide Beach	MARCY RICHARD L & ELLEN	FOX STREET		IRVING N Y				14081	361
	Wide Beach	SEILER JOHN B & KATHLEEN	FOX STREET		LOCKPORT, NEW YORK				14094	396
	Wide Beach	SEILER JOHN B & KATHLEEN	FOX STREET		LOCKPORT, NEW YORK				14094	398
	Wide Beach	ROE CHARLES & LINDA	FOX STREET		IRVING N Y				14081	433
	Wide Beach	ROE CHARLES L & W LINDA	11	OVAL	IRVING N Y				14081	457
	Wide Beach	ROE CHARLES L & LINDA R	WIDE BEACH	RD	11 WIDE BEACH			IRVING, NY	14081	470
	Wide Beach	SEILER DEWEY	FOX STREET		8930 ERIE ROAD LOT #A76	ANGOLA NY			14006	481
	Wide Beach	GENRICH WILLARD A	3	LAKE ROAD	SNYDER N Y				14226	515
	Wide Beach	ZEHNDER BRUCE	26	SOUTH STREET	WIDE BEACH	IRVING NY			14081	517
	Wide Beach	MILITELLO FRANK J	SOUTH STRE	ET	FARNHAM N Y				14061	518
	Wide Beach	HELMICH RONALD	21	OVAL	BUFFALO N Y				14215	518
	Wide Beach	PENSICHINI SILVIANO	SOUTH STRE	ET	WEST SENECA N Y				14224	521
	Wide Beach	MURPHY DENNIS M & B A	SENECA		IRVING NY				14081	522
	Wide Beach	SCHULTZ BERNADETTE	14	SOUTH STREET	IRVING, NY				14081	537
	Wide Beach	ZEHNDER BRUCE	SENECA		WIDE BEACH	IRVING NY			14081	540
	Wide Beach	ROE CHARLES L. & LINDA C	WIDE BEACH	RD	IRVING, N.Y.				14081	546

Site Code (ID)	Site Name	Adjacent Parcel Owner	ADJ. PARCEL ADDRESS	STREET OR ROAD	CO/MAIL	ADDRESS	ADJ. OWNER ADDRESS	ADJ. OWNER CITY	Adj Parcel Owner Zip	Distance From Centroid
915119	Wide Beach	DUNN GARY & BONNIE	9	SOUTH STREET	EAST AURORA, NY 14052				14052	552
	Wide Beach	MURPHY DENNIS H & B A	35	SENECA	IRVING NY				14081	575
	Wide Beach	GRABENSTATER HAROLD & W	OVAL		IRVING N Y				14081	590
	Wide Beach	MORGANTE ROSEMARY	OVAL		LAKEVIEW N Y				14085	608
	Wide Beach	GRABBENSTATTER HAROLD	1	WIDE BEACH OVAL	IRVING N Y				14081	623
	Wide Beach	BECKER ANN G	SENECA		KENMORE N Y				14223	640
	Wide Beach	SZUCS JOHN G. & GAIL J.	2	SOUTH ST	TONAWANDA, N Y 14150				14150	678
	Wide Beach	KALENDA FRANCIS J	37	WIDE BEACH OVAL	BUFFALO N Y				14220	678
	Wide Beach	CONNNORS JAMES & BARBARA	38	OVAL	TONAWANDA, NY				14150	694
	Wide Beach	CONNERS JAMES & BARBARA	OVAL		157 DUFFY DRIVE	TONAWANDA, NY			14150	694
	Wide Beach	BUCHMAN PAUL G. & MARY E	21	SOUTH STREET	BUFFALO N Y				14222	737
	Wide Beach	BUCHANAN PAUL G. & MARY	21	SOUTH STREET	BUFFALO N Y				14222	738
	Wide Beach	FRANZ MARIAN E.	6	OVAL	LAKEVIEW N Y				14085	739
	Wide Beach	ELLIOTT JOHN B. & MARIE	17	SOUTH STREET	EAST AURORA, NEW YORK 140				14052	740
	Wide Beach	SMOLAREK LEONARD J	SOUTH STRE	ET	ORCHARD PARK,N.Y. 14127				14127	752
	Wide Beach	VACANTI MARGARET	SOUTH STRE	ET	BUFFALO N Y				14215	761
	Wide Beach	BAUER BRUCE	9A	SOUTH STREET	CHEEKTOWAGA NY				14225	773
	Wide Beach	FRANZ MARIAN E.	OVAL		LAKEVIEW N Y				14085	778
	Wide Beach	SPECK SUSAN	SOUTH STRE	ET	IRVING, NEW YORK				14081	784
	Wide Beach	MILLER CLIFFORD R & CYNT	OVAL		IRVING N Y				14081	788
	Wide Beach	TOWN OF BRANT	BRANT CENT	ER	RT 249			BRANT, N.Y.	14027	788
	Wide Beach	HANSEN FREDERICK E & W J	SOUTH STRE	ET	IRVING N Y				14081	805
	Wide Beach	MUELLER PETER M & MARY	7	SOUTH STREET	BUFFALO, NY				14215	810
	Wide Beach	SPECK SUSAN	SOUTH STRE	ET	IRVING, NEW YORK				14081	814

Site Code (ID)	Site Name	Adjacent Parcel Owner	ADJ. PARCEL ADDRESS	STREET OR ROAD	CO/MAIL	ADDRESS	ADJ. OWNER ADDRESS	ADJ. OWNER CITY	Adj Parcel Owner Zip	Distance From Centroid
915119	Wide Beach	HANSEN FREDERICK E &W J	43	SOUTH STREET	IRVING N Y				14081	825
	Wide Beach	FRANZ MARIAN E.	48	OVAL	LAKEVIEW N Y				14085	834
	Wide Beach	DANIELS EUGENE & LILLIE	ERIE ROAD		IRVING N Y				14081	836
	Wide Beach	SENECA NATION OF INDIANS	BRANT RESE	RVATION	ROUTE 438			IRVING N Y	14081	836
	Wide Beach	MILLER LYNN H	OVAL		EGGERTSVILLE N Y				14226	844
	Wide Beach	RUSCH THOMAS & ELSIE	3	SOUTH STREET	IRVING NY				14081	867
	Wide Beach	MILLER LYNN H	OVAL		EGGERTSVILLE N Y				14226	872
	Wide Beach	SPECK SUSAN E	39	SOUTH STREET	IRVING, NEW YORK				14081	876
	Wide Beach	MILITELLO LARRY A & SUSA	76	WIDE BEACH RD	IRVING N Y				14081	891
	Wide Beach	MILLER CLIFFORD R & CYNT	55	OVAL	IRVING N Y				14081	908
	Wide Beach	STEGMEIER GERARD G & JUL	82	OVAL	TOWN OF TONAWANDA NY				14150	913
	Wide Beach	MILITELLO ANGELO JR	60	OVAL	IRVING N Y				14081	918
	Wide Beach	GILLIG FRANKLIN J	86	WIDE BEACH RD	BUFFALO N Y				14211	935
	Wide Beach	LEUTHE BEVERLY ANN	90	WIDE BEACH RD	IRVING,N.Y. 14081				14081	942
	Wide Beach	PLEWAK JEFFREY F	128	OVAL	IRVING N Y				14081	952
	Wide Beach	BALL FREDERICK E. JR.	LAKE ROAD		647 PERRY STREET	FARNHAM, N Y 14061			14061	967
	Wide Beach	BUKATY GORDON D.	4	LOTUS BAY RD	HAMBURG, NY 14075				14081	972
	Wide Beach	ALLEN INA	59	OVAL	IRVING, NEW YORK				14081	977
	Wide Beach	KORONA WILLIAM C. & LIN	94	OVAL	BUFFALO, N Y 14214				14214	978
	Wide Beach	MEYERS RONALD G & HESTER	141	OVAL	ATHEN GEORGIA				30606	992

***** E N D O F R E P O R T *****

A. Sylvester

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

EARTH DAY 25 1995 ENVIRONMENTAL PARTNERS

Michael Zagata
Commissioner

MAY - 8 1995

This letter was sent to the people on the attached list.

Dear :

The Department of Environmental Conservation (DEC) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at Wide Beach Community in the Town of Brant and County of Erie and designated as Tax Map Number 281.060-1-7 was recently reclassified as a Class 5 in the Registry. The name and site I.D. number of this property as listed in the Registry is Wide Beach Community, Site #915119.

The Classification Code 5 means that the site is properly closed, no evidence of present or potential adverse impact -- no further action required.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

The reason for this recent classification decision is as follows:

- In 1985, all roads, driveways and yards with PCB contamination were covered with asphalt. PCB contaminated dust in carpets of homes was professionally removed in 1985. Soils at the site were excavated, treated and partially backfilled in 1990. All homeowners in the Wide Beach Community with private wells have had sediment filters installed on their drinking water supplies. PCBs have not been detected in residential water supplies since 1985. Human exposure to PCBs has been eliminated by the remedial measures performed to date. No further investigations or remediation activities are planned for the Wide Beach Development Site. No further public health actions are indicated at this time.

If you would like additional information about this site or the inactive hazardous waste site remedial program, call:

DEC's Inactive Hazardous Waste Site Toll-Free Information Number **1-800-342-9296** or New York State Health Department's Health Liaison Program (HeLP) **1-800-458-1158, ext. 402.**

Sincerely,

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

bcc: R. Marino
T. Reamon
P. Nelson, R/9
A. Sylvester
A. Carlson
L. Ennist

AS/srh

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, NEW YORK 10278

5

FEB 22 1993

James Drumm
Western Field Services Section
Bureau of Construction Services
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233

Re: Wide Beach Development Site

Dear Mr. Drumm:

In response to your telephone call of February 22, 1993, enclosed please find one copy of the list of the residents at the Wide Beach Development site with their addresses.

Should you have any questions regarding this, please do not hesitate to call me at (212) 264-1129.

Sincerely,

Herbert H. King

Herbert H. King, Project Manager
Western New York Superfund Section I

Enclosure

Site Review And Update

WIDE BEACH DEVELOPMENT

BRANT, ERIE COUNTY, NEW YORK

CERCLIS NO. NYD980652259

SEPTEMBER 22, 1992

REVISED

MAY 28, 1993

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Agency for Toxic Substances and Disease Registry
Division of Health Assessment and Consultation
Atlanta, Georgia 30333

REVISED SITE REVIEW AND UPDATE

WIDE BEACH DEVELOPMENT

BRANT, ERIE COUNTY, NEW YORK

CERCLIS NO. NYD980652259

Prepared By

New York State Department of Health
Under Cooperative Agreement with the
Agency for Toxic Substances and Disease Registry

SUMMARY OF BACKGROUND AND HISTORY

The Wide Beach Development site is in the Town of Brant, Erie County, New York; it borders Lake Erie, about 30 miles south of Buffalo (Figure 1, Appendix A). From 1960 until the 1970s, residents of the area applied waste oil on their roads for dust control; some of the waste oil was contaminated with polychlorinated biphenyls (PCBs). PCBs were prevalent throughout the residential development of 60 vacation and year-round homes which housed about 120 summer and 45 permanent residents. All the homes have private water supply wells. The groundwater quality in the area is generally poor because of naturally occurring conditions, including high levels of sulfate, iron, and manganese.

The site was first recognized in 1981, when the Erie County Department of Environment and Planning (ECDEP) observed empty drums in a nearby wooded area. Environmental samples collected from roadways, drainage swales, groundwater, and in the front and back yards of private homes had high levels of PCBs. Between 1981 and 1982, air, water, and soil sampling programs were initiated in the area by ECDEP and the Erie County Department of Health (EC DOH). Residential wells were sampled on several occasions between 1981 and 1984. The only PCB congener detected in drinking water samples was Aroclor 1254, at concentrations ranging from less than 0.05 micrograms per liter (mcg/L) to 4.56 mcg/L. The highest PCB soil contamination was found along the roadway drainage swales; contaminant levels ranged from 200 to 1,026 milligrams per kilogram (mg/kg) to a depth of 3 feet (1).

The County determined that the site was of public health concern because of the risk to human health caused by the likelihood of human exposure to hazardous substances. Residents and visitors to the Wide Beach Development site were exposed to PCBs in soil from about 1960 until about 1985. People were exposed to PCBs via inhalation of vapor or contaminated soil particles, by ingestion of contaminated soil or vegetables, or by direct contact with contaminated soil. Some residents were also exposed to PCBs in drinking water. The County referred the site to the New York State Department of Environmental Conservation (NYSDEC) as a candidate for state and federal Superfund monies.

In August 1984, US EPA collected surface soil samples (0-4 inches in depth) from all yards in the Wide Beach Development for PCB analysis. The only PCB congener detected in yard samples was Aroclor 1254; soil concentrations ranged from 0.05 mg/kg to 600 mg/kg with an average concentration of 29.9 mg/kg $\pm$ 82.9 mg/kg). About ninety percent of the samples had concentrations less than 50 mg/kg. The US EPA also collected samples of carpet dust from homes in 1984, which showed Aroclor 1254 as high as 770 mg/kg. An interim remedial action was carried out in the spring and summer of 1985. All contaminated roads, driveways, and yards were covered with asphalt. Upon completion of the asphalt cover, the homes were

professionally cleaned; in addition, air-conditioner filters were replaced, and dual cartridge particulate filters were installed on all well water supply systems. These sediment filters are being maintained by the homeowners.

Fifty-eight homes were decontaminated (i.e., their carpets were vacuumed before shampooing). Results of sampling before and after decontamination showed that most of the PCBs were removed by the shampooing process. Although confirmatory samples collected in September of 1985 showed a rebound of PCBs to 40-80% of the pre-shampooed levels, all samples contained less than 5 mg/kg PCBs. In August 1985, a feasibility report containing seven remediation alternatives was submitted, followed by the signing of a Record of Decision (ROD) on September 30, 1985. No further investigatory or remedial activities were recommended as part of the ROD.

Community health education has been conducted in the past to address community concerns regarding exposures to PCBs. These health education activities included sampling of private water supplies within the development and based on initial findings of private water supply samples, residents were advised to use alternate sources of potable water, other than existing wells. Community health education has also occurred as part of past residential soil and indoor carpet dust sampling activities and decontamination (i.e., carpet cleaning) of homes within the development. Residents were alerted to the danger of eating root crops grown on-site and alternate road dust control methods were recommended. Additionally, public meetings were held with residents to explain findings of the investigations and address community concerns.

A brief health assessment was completed by ATSDR in April of 1986; the study showed "The levels in carpet soil are not likely to constitute significant risks to the health of the residents" (3). ATSDR's health assessment included information about a referenced health study (Landrigan, 1980) of people exposed to PCB-contaminated garden soil. Serum PCB levels in 89 persons exposed to PCB-contaminated sludge added to garden soil were slightly lower than those in 22 community controls. The mean PCB concentration in the sludge-treated soil was 17.1 parts per million (ppm), similar to the mean concentration of PCBs in the residential yards at the Wide Beach Development site. The mean concentrations of PCBs detected in residential yards at the Wide Beach site and in the PCB-contaminated soil involved in the referenced health study were similar.

A public meeting was held on December 18, 1988 in the Brant Community Center to present investigatory findings of PCB contamination in groundwater and the soil treatment pilot study. Site conditions, sampling data and plans for site remediation were also reviewed. In addition, protective measures and access

restrictions of residents during site remediation and construction activities were presented.

As part of the remedial design, a pilot study using potassium polyethylene glycol (KPEG) was performed to evaluate its effectiveness and cost as a final remediation alternative for low temperature thermal treatment of soils. Blacktop from a small isolated section of the site was removed and the underlying soil was excavated for use in the pilot study; PCB concentrations in the soil were reduced to a maximum of 2 mg/kg.

Although the pilot study achieved the project remediation goals, a high-temperature thermal process was used instead, which treated the soil to the target concentration of 2 mg/kg PCB with greater efficiency. In the Spring of 1990, an on-site processing plant and handling and storage facilities for both contaminated and treated soil were assembled on the northeastern section of the site. After a successful performance demonstration, site remediation began.

Full-scale remediation activities started in the Fall of 1990 when many of the vacation homes were normally vacant. Remediation activities included:

1. Removal of blacktop and excavation of the underlying soil;

2. Transport of contaminated soil to the temporary on-site soil treatment processing reactor;

3. Treatment and storage of the contaminated soil before replacing treated soil to its original grade;

4. Application of blacktop to roads and driveways after replacing the treated soil in excavated areas;

5. Seeding and landscaping of yards;

6. Resampling and professional cleaning of homes, if needed, once all remediation activities were completed;

7. Restoration of the area used for the on-site soil treatment facility; and

8. Disposal of stockpiled treated soils at an off-site waste disposal facility.

Although the process achieved its goal of removing PCBs from the soil, the treatment appears to have altered the original soil structure, resulting in a material having little or no cohesive strength. US EPA declared the treated soil to be unsuitable for use as top soil or road foundation material (subbase) and is requiring that it be removed and replaced by suitable off-site material at the contractors expense.

Air vapor and soil particulate releases from the reactor were monitored on a real-time basis during most of the remediation. The reactor was designed to limit particulate emissions to the atmosphere; however, occasionally, uncontrolled releases of dust tailings from the reactor occurred, causing high dust levels. This dust was a by-product of the treatment process and free of PCB contamination. Because of wind direction, this dust was deposited in a nearby wooded area.

CURRENT SITE CONDITIONS

The most recent site visit was conducted in July 1992 by Mr. Cameron O'Connor of the New York State Department of Health (NYS DOH). He observed stressed vegetation near the pumping station and at a residence at 43 Wide Beach Road. These are areas where treated soil was used as backfill and covered with borrow top soil. The number of residents in the development appears to have remained relatively unchanged since 1982.

CURRENT ISSUES

Remedial actions performed to date have proven effective in eliminating exposures to PCB-contaminated soil. The treatment of PCB-contaminated soils has removed a long-term source of PCBs in groundwater. However, the soil remediation process appears to have caused an increase of sodium levels in the treated soils which may be leaching to residential drinking water supply wells. Changes in weather conditions (wet and dry periods) are associated with changes in groundwater quality; wet periods have caused a temporary increase in sodium, iron and manganese.

NYS DOH and EC DOH are still responding to color, taste and odor complaints of drinking water quality in the Wide Beach Development. NYS DOH and EC DOH are completing a year long sampling and analysis program of several private wells. Between March 1991 and September 1992, ten homes were sampled on regular basis for analysis of general water quality parameters including iron, manganese, sodium and sulfates. Sampling data indicate elevated levels of sulfates, iron, manganese and sodium.

Of the wells which were sampled, sulfate concentrations ranged from 1.6 milligrams per liter (mg/L) to 159 mg/L and none of these reported levels exceed the NYS DOH secondary drinking water standard of 250 mg/L. Iron concentrations ranged from less than (<) 0.05 mg/L to 9.10 mg/L; of the 108 samples collected, seventy two exceeded the NYS DOH secondary drinking water standard of 0.3 mg/L. However, this drinking water standard has been developed for consideration of aesthetic water quality conditions such as odor, taste and staining of fixtures and the reported levels of iron in residential wells are not likely to result in adverse health effects. Reported levels of manganese ranged from <0.01 mg/L to 0.41 mg/L; of the 108 samples in which manganese was detected, only

one reported result (0.41 mg/L) exceeded the NYS DOH secondary drinking water standard of 0.3 mg/L which has also been developed for consideration of aesthetic drinking water conditions. Although reported manganese levels exceed the current ATSDR comparison value for manganese in drinking water (0.2 mg/L) in several of the samples that were collected, these levels are not likely to result in a significant increase of adverse health effects. Reported concentrations of sodium ranged from 8.4 mg/L to 460 mg/L. NYS DOH has not developed a maximum contaminant level (MCL) for sodium in drinking water. However, a guidance value of 270 mg/L has been developed for consideration of individuals on moderately restricted sodium diets and water containing sodium above this level should not be used for drinking by individuals who are reducing sodium intake for health reasons. Of the 108 samples in which sodium was detected, only three reported results exceeded this guidance value. A second guidance value of 20 mg/L has been developed for consideration of individuals on severely restricted sodium diets. Of the 108 samples in which sodium was detected, 58 of the reported levels exceeded this guidance value. The analytical results of the private well monitoring do not appear to show any trends in contaminant levels and most likely reflect naturally occurring groundwater quality conditions.

Residents of the Wide Beach Development feel that soil remediation activities have contributed to further degradation of naturally occurring poor groundwater quality conditions in the area and are pursuing attempts to have public water service extended to the development.

Some of the homeowners still residing in the Wide Beach Development have expressed concern about the quality of the treated soil which was replaced as base soil in their yard. These residents have expressed concern regarding (i) the ability of the treated soil to support plant life, (ii) the stability of the soil in high moisture conditions, and (iii) the potential for residual contaminant levels to leach into their drinking water. In response to these concerns, representatives of the U.S. Army Corps of Engineers (US ACE), the US EPA and their contractors met with these residents on October 13, 1992. Soil samples were collected to evaluate if the soil is suitable for supporting plant growth. Analytical results showed the soils to be high in salts and unsuitable for support of plant growth. US EPA has since recommended that these soils be removed and replaced with clean backfill from an off-site source.

CONCLUSIONS

- Past use of PCB-contaminated waste oil for dust control on roads and driveways in the Wide Beach Development resulted in contamination of surface and subsurface soils and groundwater. Residents who lived in the Wide Beach Development between 1960 and 1985 were exposed to PCBs in soil and dust; some residents were also exposed to PCBs in drinking water and possibly

garden vegetables grown in their back yards. Biological monitoring was not conducted among residents of the Wide Beach Development. Based on information about past exposures to PCBs at the Wide Beach Development, this site posed an indeterminate public health hazard.

- In 1981, residents were advised of ways to limit their exposure to PCBs and human exposure to site contaminants has been eliminated by the remedial measures performed. Currently, this site poses no apparent public health hazard.

- Biological monitoring, if conducted, would likely produce results similar to those of previous studies. Although PCB blood levels provide a measure of exposure, almost 10 years have passed since people began to limit their exposure. Most of the residents used their homes for vacations only, which helped to minimize their exposure. Moreover, the number of people in the exposed population is small and their health concerns were addressed when the site was remediated. For these reasons, a public health assessment or health consultation is not indicated at this time.

- In the Spring and Summer of 1985, all roads, driveways and yards with PCB contamination were covered with asphalt.

- PCB-contaminated dust in carpets of homes was professionally cleaned and removed in 1985.

- Soils at the site were excavated, treated and partially backfilled in 1990.

- The soil treatment process altered the physical structure and chemical nature of the soil; the treated soil had little cohesive strength and became very unstable under high moisture conditions. Treated soils did not appear to support plant life and confirmatory sampling showed elevated levels of salts. Treated soils were determined to be unsuitable for use as road subbase.

- Past evaluations of human exposure to PCB-contaminated media at the Wide Beach Development have primarily focused on identifying exposure pathways and short-term (acute) health effects.

- Community health education was conducted in the past for those persons who were exposed to site contaminants in drinking water. Residents were advised to use an alternate source of potable water, other than existing wells, due to the low levels of PCBs initially found in private well samples collected between 1981 and 1984.

- Community health education has also occurred as part of past residential soil and indoor carpet dust sampling activities and during decontamination (i.e., carpet cleaning) of homes within the development. Based on soil sampling data, residents were alerted to the danger of eating root crops grown within the development. The NYS DOH, in conjunction with the EC DOH has also conducted community health education during monitoring of residential water quality parameters. Residents of the Wide Beach Development have been advised to use an alternate source of potable water, other than existing wells, due in part to naturally occurring poor groundwater quality conditions.

- All homeowners with private wells in the Wide Beach Development have had sediment filters installed on their wells to remove PCB-contaminated sediment from their drinking water supplies.

- PCBs have not been detected in residential water supplies since 1985.

- Monitoring of residential water supplies has shown iron and manganese at levels above drinking water standards; however, these standards have been developed for consideration of water quality conditions such as taste, odor and staining of fixtures and exposure to the reported levels are not likely to result in adverse health effects.

- Human exposures to PCBs has been eliminated by the remedial measures performed to date.

- No further investigatory (site characterization) or remediation activities are planned for the Wide Beach Development site.

- The data and information developed in the Site Review and Update have been evaluated to determine if follow-up actions may be indicated. No further public health actions are indicated at this time.

RECOMMENDATIONS

1. No further public health follow-up actions are recommended at this time. This recommendation is consistent with that made in ATSDR's Health Assessment of residual PCB levels in residential carpet dust in 1986.

2. Treated soils that were used as base soils in residential yards should be removed and replaced with clean backfill as recommended by US EPA.

DOCUMENTS REVIEWED

Documents reviewed by NYSDOH during preparation of this site review and update are as follows:

1. Erie County DOH Investigation of February 22, 1982. Memo from A.T. Voell to Herman J. Ciminesi, Supervisor, Town of Brant.

2. Action Memorandum March 28, 1985. Immediate Removal Funding Request for Wide Beach PCB, Robert M. Cobiella through W. Librizzi.

3. April 17, 1986. ATSDR memorandum from Dr. Jeffrey A. Lybarger, M.D., to Mr. William Nelson.

4. Draft Engineering Feasibility Study, July 1985. By EA Engineering Science and Technology Inc., Tighe & Bond Consulting Engineers.

PREPARERS OF THE REPORT

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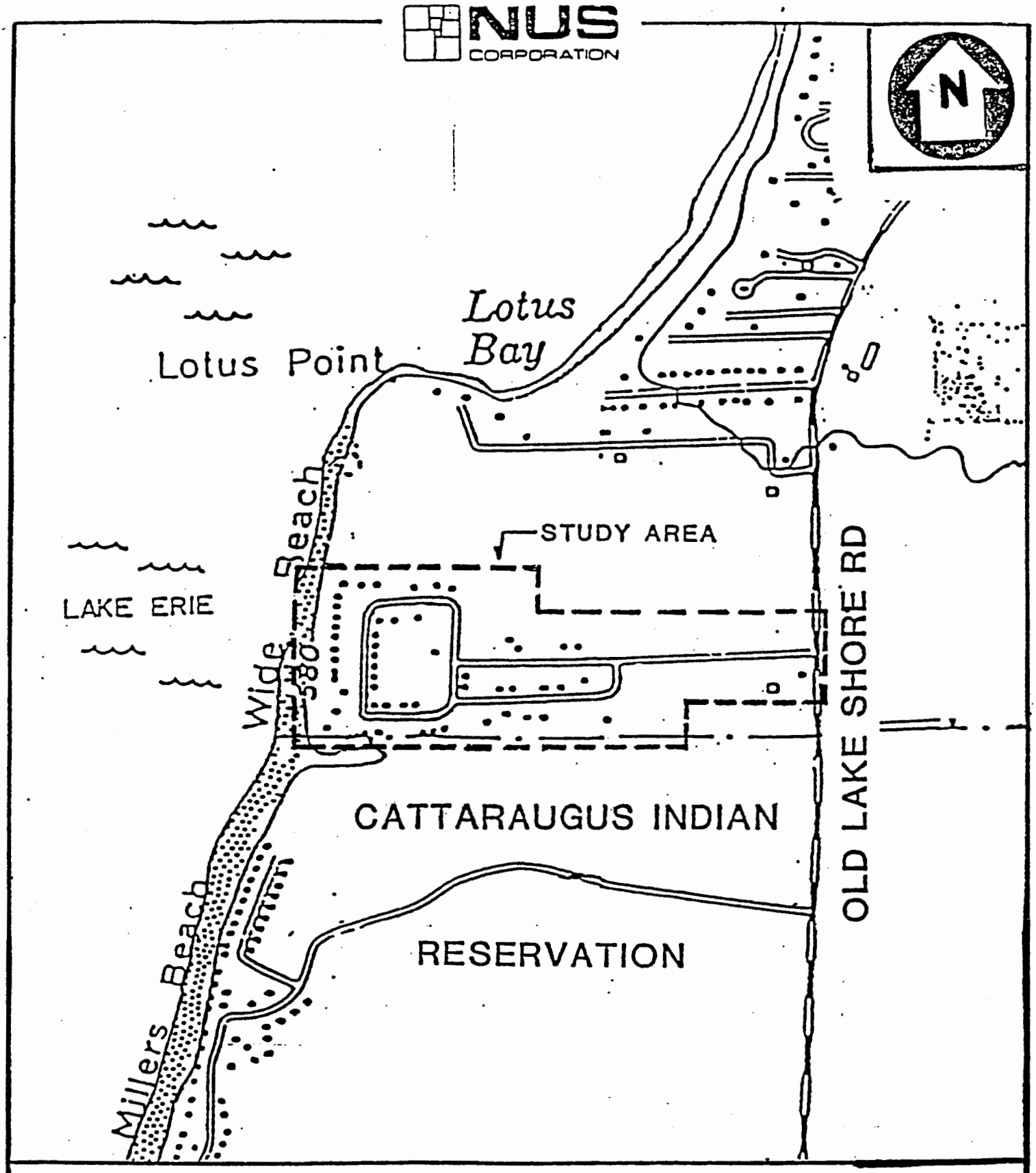


FIGURE 1

WIDE BEACH

BRANT, N.Y.

SITE LOCATION MAP

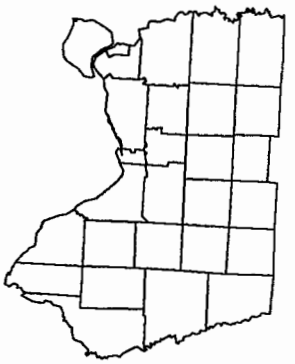
DEC - INACTIVE HAZARDOUS WASTE SITES

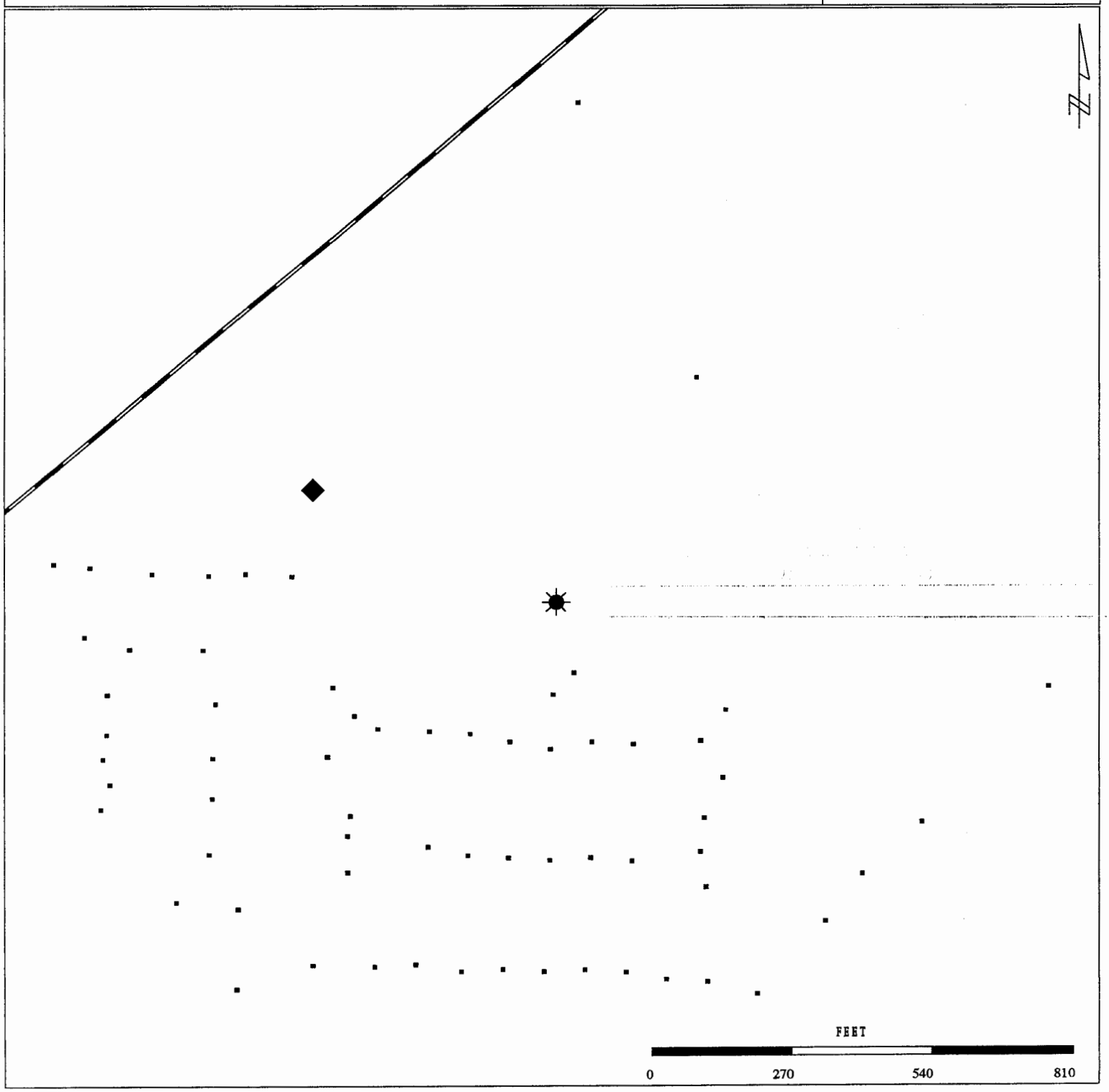
SITE ID 915119

NAME: Wide Beach
ADDRESS: Wide Beach Community
CITY/TOWN: Brant
OWNER: Wide Beach

◆ DEC INACTIVE HAZARDOUS WASTE SITES (1)
✸ PARCELS CONTAINING INACTIVE HAZARDOUS WASTE SITES (1)
▪ PARCELS ADJACENT TO (within 1000 feet) SITES (67)

ERIE COUNTY
TOWN OF BRANT





NEW YORK STATE DIVISION OF EQUALIZATION & ASSESSMENT
DEC INACTIVE HAZARDOUS WASTE SITES
SITE & ADJACENTS S/B/L REPORT

SITE ID: 915119
SITE NAME: Wide Beach

SUBJECT PARCELS:

SWIS	SECTION/BLOCK/LOT	ADDRESS	OWNER
142889	281.06-1-7	WIDE BEACHRD	COMMUNITY - WIDE BEACH

SITE TOTAL ACRES: 4.8

ADJACENT PARCELS:

SWIS	SECTION/BLOCK/LOT	ADDRESS	OWNER	DISTANCE IN FEET
142889	265.00-2-41	3 LAKE ROAD	GENRICH WILLARD A	515
142889	265.04-1-65.11	4 LOTUS BAY RD	BUKATY GORDON D.	972
142889	281.00-1-1./A	ERIE ROAD	DANIELS EUGENE & LILLIE	837
142889	281.00-1-1	BRANT RESERVATION	SENECA NATION OF INDIANS	837
142889	281.06-1-1	59 OVAL	ALLEN INA	978
142889	281.06-1-2	55 OVAL	MILLER CLIFFORD R & CYNTHIA	908
142889	281.06-1-3./A	BRANT CENTER	TOWN OF BRANT	788
142889	281.06-1-3	OVAL	MILLER CLIFFORD R & CYNTHIA	788
142889	281.06-1-4	37 WIDE BEACH OVAL	KALENDA FRANCIS J	678
142889	281.06-1-5	OVAL	MORGANTE ROSEMARY	608
142889	281.06-1-6	21 OVAL	HELMICH RONALD	518
142889	281.06-1-8.1	FOX STREET	SEILER JOHN B & KATHLEEN	149
142889	281.06-1-8.2	FOX STREET	SEILER JOHN B & KATHLEEN	397
142889	281.06-1-9	FOX STREET	SEILER JOHN B & KATHLEEN	399
142889	281.06-1-10.1	FOX STREET	SEILER DEWEY	482
142889	281.06-1-11	30 FOX STREET	NEWMAN LOUIS C	325
142889	281.06-1-12	34 FOX STREET	NOSBISCH JAMES M & JANICE E	292
142889	281.06-1-13	FOX STREET	CARDINO CHARLES	299
142889	281.06-1-14	FOX STREET	WINNICKI RICHARD J	189
142889	281.06-1-15	FOX STREET	YAGER JEANNINE	298
142889	281.06-1-16	18 FOX STREET	MARCY RICHARD L & ELLEN B	316
142889	281.06-1-17	FOX STREET	MARCY RICHARD L & ELLEN B	362
142889	281.06-1-18	FOX STREET	ROE CHARLES & LINDA	433
142889	281.06-1-19	WIDE BEACHRD	ROE CHARLES L. & LINDA C.	546
142889	281.06-1-20	11 OVAL	ROE CHARLES L & W LINDA	457
142889	281.06-1-21	WIDE BEACHRD	ROE CHARLES L & LINDA R	471
142889	281.06-1-23	OVAL	CONNERS JAMES & BARBARA	695
142889	281.06-1-24	6 OVAL	FRANZ MARIAN E.	740
142889	281.06-1-25	OVAL	FRANZ MARIAN E.	779
142889	281.06-1-26	OVAL	MILLER LYNN H	845
142889	281.06-1-27	OVAL	MILLER LYNN H	872
142889	281.06-1-28	128 OVAL	PLEWAK JEFFREY F	953
142889	281.06-1-33	94 OVAL	KORONA WILLIAM C. & LINDA A.	978
142889	281.06-1-34	90 WIDE BEACH RD	LEUTHE BEVERLY ANN	943
142889	281.06-1-35	86 WIDE BEACH RD	GILLIG FRANKLIN J	936
142889	281.06-1-36	82 OVAL	STEGMEIER GERARD G & JULIE M	914

NEW YORK STATE DIVISION OF EQUALIZATION & ASSESSMENT
DEC INACTIVE HAZARDOUS WASTE SITES
SITE & ADJACENTS S/B/L REPORT

SITE ID: 915119
SITE NAME: Wide Beach

SWIS	SECTION/BLOCK/LOT	ADDRESS	OWNER	DISTANCE IN FEET
142889	281.06-1-37	76 WIDE BEACH RD	MILITELLO LARRY A & SUSAN M	892
142889	281.06-1-38	60 OVAL	MILITELLO ANGELO JR	919
142889	281.06-1-39	48 OVAL	FRANZ MARIAN E.	834
142889	281.06-1-40	38 OVAL	CONNNORS JAMES & BARBARA	695
142889	281.06-1-41	OVAL	GRABENSTATER HAROLD & W M	590
142889	281.06-1-42	1 WIDE BEACH OVAL	GRABBENSTATTER HAROLD	623
142889	281.06-1-43	2 SOUTH ST	SZUCS JOHN G. & GAIL J.	678
142889	281.06-1-44	9 SOUTH STREET	DUNN GARY & BONNIE	553
142889	281.06-1-45	14 SOUTH STREET	SCHULTZ BERNADETTE	537
142889	281.06-1-46	SOUTH STREET	PENSICHINI SILVIANO	522
142889	281.06-1-47	SOUTH STREET	MILITELLO FRANK J	519
142889	281.06-1-48	26 SOUTH STREET	ZEHNDER BRUCE	518
142889	281.06-1-49	SENECA	ZEHNDER BRUCE	540
142889	281.06-1-50	SENECA	MURPHY DENNIS M & B A	523
142889	281.06-1-51	35 SENECA	MURPHY DENNIS H & B A	575
142889	281.06-1-52	SENECA	BECKER ANN G	641
142889	281.06-1-53	39 SOUTH STREET	SPECK SUSAN E	876
142889	281.06-1-54	SOUTH STREET	SPECK SUSAN	815
142889	281.06-1-55	SOUTH STREET	SPECK SUSAN	785
142889	281.06-1-56	SOUTH STREET	SMOLAREK LEONARD J	752
142889	281.06-1-57	21 SOUTH STREET	BUCHMAN PAUL G. & MARY E.	737
142889	281.06-1-58	21 SOUTH STREET	BUCHANAN PAUL G. & MARY E.	739
142889	281.06-1-59	17 SOUTH STREET	ELLIOTT JOHN B. & MARIENNA L.	741
142889	281.06-1-60	SOUTH STREET	VACANTI MARGARET	761
142889	281.06-1-61	9A SOUTH STREET	BAUER BRUCE	774
142889	281.06-1-62	7 SOUTH STREET	MUELLER PETER M & MARY	811
142889	281.06-1-63	3 SOUTH STREET	RUSCH THOMAS & ELSIE	867
142889	281.06-1-64	141 OVAL	MEYERS RONALD G & HESTER H	993
142889	281.07-1-1	LAKE ROAD	BALL FREDERICK E. JR.	967
142889	281.07-1-4.1	SOUTH STREET	HANSEN FREDERICK E & W JG	806
142889	281.07-1-5	43 SOUTH STREET	HANSEN FREDERICK E &W J G	825

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

DATE: SEP 30 1985

SUBJECT: Record of Decision
Wide Beach Development Site

FROM: William J. Librizzi, Director
Emergency and Remedial Response Division

TO: Christopher J. Daggett
Regional Administrator

Attached, please find the draft Record of Decision (ROD) prepared by my staff for the Wide Beach Development site located in the State of New York.

Under an immediate removal action performed at this site, the PCB-contaminated roadways, drainage ditches, and driveways were paved with asphalt to protect the public from PCB-contaminated roadway dust and surface water runoff. However, based upon an analysis of this action, and of site conditions, it has been determined that the asphaltic paving cannot withstand the severe winter conditions in this area, and would only last from 2-4 years. Accordingly, implementation of a long-term remedial measure is necessary.

The ROD document reflects the recommendations of the Emergency and Remedial Response Division to address the problems associated with this hazardous waste site. Our recommendations were developed based upon the results of a number of Remedial Investigations and a Feasibility Study prepared by New York State Department of Environmental Conservation consultant EA Engineering, Science, and Technology, which included the evaluation of a number of remedial alternatives.

Specifically, we are proposing to excavate the PCB-contaminated soils from the roadways, drainage ditches, driveways, wetlands, and yards. After chemical treatment, these soils will be used as fill in the excavated areas. The excavated uncontaminated asphaltic material will be reused and the contaminated asphaltic material will be disposed of. The perched water in the sewer trenches will be extracted and treated.

Also, we are proposing to perform a pilot plant treatability study to determine an effective scheme for chemically treating the PCB-contaminated soils.

In addition, sampling for PCBs in soils from the backyards, in sewage from the lift station, and in sediment from the disconnected septic systems will be included to better define the extent of the contamination.

The proposed actions, are consistent with the goals and objectives of the Comprehensive Environmental Response, Compensation and Liability Act, and the National Contingency Plan, to provide adequate protection of public health and the environment.

We have discussed the recommended actions with the State of New York, which concurs with the proposed remedial activities.

Trust Fund monies will be utilized to finance the proposed action.

Should you have any questions regarding the ROD, do not hesitate to contact me.

Attachment

Record of Decision
Remedial Alternative Selection

Site:

Wide Beach Development site, Brant Township, New York

Documents Reviewed:

I am basing my decision on the following documents describing the analysis of the cost-effectiveness of remedial alternatives at the Wide Beach Development site:

- Wide Beach PCB Investigation--Groundwater and Soil Contamination, Erie County Department of Environment and Planning, February 1982.
- Wide Beach PCB Investigation Sampling Report, Erie County Department of Environment and Planning, November 1982.
- Evaluation of Analytical Chemical Data for Wide Beach Community, Brant Township, New York, NUS Corporation, August 12, 1983.
- Remedial Action Master Plan, NUS Corporation, November 1983.
- Presentation of Analytical Chemical Data from Drinking Water Samples Collected from Wide Beach Community, Brant Township, New York, NUS Corporation, February 14, 1984.
- Remedial Investigation Report, EA Engineering, Science and Technology, April 1985.
- Feasibility Study Report, EA Engineering, Science and Technology, August 1985.
- Responsiveness Summary
- Staff summaries, memoranda, letters, and recommendations
- Summary of Remedial Action Alternative Selection--Wide Beach Development site.

Description of Selected Remedy:

- Excavation of the PCB-contaminated soils in the roadways, drainage ditches, driveways, yards, and wetlands.

- Disposal of the contaminated asphaltic material, retaining uncontaminated asphaltic material for reuse in repaving.

- Chemical treatment of the PCB-contaminated soils.

- Use of the treated soils as fill in the excavated areas.

- Repavement of the roadways and driveways.

- Treatment of the perched water in the sewer trench.

- Construction of a hydraulic barrier at the end of the sewer trench.

- Pilot plant treatability study to determine an effective treatment scheme for chemically neutralizing the PCB-contaminated soils.

- Sampling for PCBs in soils from the back yards, sewage from the lift station, and sediments in the disconnected septic systems to better define the extent of the contamination.

Declarations:

Consistent with the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), and the National Contingency Plan (40 CFR Part 300), I have determined that the selected remedial strategy for the Wide Beach Development site is a cost-effective remedy, and that it effectively mitigates and minimizes damage to, and provides adequate protection of public health, welfare, and the environment.

I have also determined that the action being taken is appropriate when balanced against the availability of Trust Fund monies for use at other sites.

It is anticipated that the treatment associated with the sewer trench perched water will be a short-term action. The recommended remedial measure, once implemented, will not require any long-term operation and maintenance expenditures, other than monitoring and minimal roadway maintenance. The actions associated with the sewer trench perched water pumping and treatment will be considered part of the approved action and eligible for Trust Fund monies for a period of one year.

The Region has consulted with the State of New York in selecting the recommended remedial action for this site. The State concurs that the selected remedial alternative is the most appropriate remedial measure for the Wide Beach Development site.

[illegible] 30 1985
Date

Christopher J. Daggett
Regional Administrator

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9102WB006	910205008501M	WATER	TREATED PLANT WATER BOD 5 DAY	020591800	0206911100	21.2 MG/L
	9102WB006	910205008511M	WATER	SUSPENDED SOLIDS	020591800	0206911100	6 PH 1.8 TSS
	9102WB006	910205008521M	WATER	OIL & GREASE	020591800	0206911100	2 OIL & GREASE
	9102WB006	910205008531M	WATER	IRON TOTAL	020591800	0206911100	100 U UG/L
	9102WB006	910205008541M	WATER	PCB	020591800	0206911100	0.06 UG/L
	9102WB006	910205012551M	SOIL	TREES PHASE 4 29 RT	020591800	0206911100	2.2 U UG/G
	9102WB006	910205013001M	SOIL	TREES PHASE 4 30 RT	020591800	0206911100	2.6 U UG/G
	9102WB006	910205013051M	SOIL	TREES PHASE 4 31 RT	020591800	0206911100	2.4 U UG/G
	9102WB006	910205013051M	SOIL	TREES PHASE 4 31 RT	020591800		
	9102WB006	910205013101M	SOIL	TREES PHASE 4 32 RT	020591800	0206911100	2.3 U UG/G
	9102WB006	910205013151M	SOIL	TREES PHASE 4 33 RT	020591800	0206911100	2.7 U UG/G
	9102WB006	910205013201M	SOIL	TREES PHASE 4 34 RT	020591800	0206911100	2.4 U UG/G
	9102WB006	910205013251M	SOIL	TREES PHASE 4 35 RT	020591800	0206911100	2.3 U UG/G
	9102WB006	910205013301M	SOIL	TREES PHASE 4 36 RT	020591800	0206911100	2.3 U UG/G
	9102WB006	910205013351M	SOIL	TREES PHASE 4 37 RT	020591800	0206911100	2.0 U UG/G
	9102WB006	910205013401M	SOIL	TREES PHASE 4 38 RT	020591800	0206911100	2.0 U UG/G
	9102WB006	910205013451M	SOIL	TREES PHASE 4 23 LFT	020591800	0206911100	2.3 U UG/G
	9102WB006	910205013501M	SOIL	TREES PHASE 4 24 LFT	020591800	0206911100	1.9 U UG/G
	9102WB006	910205013551M	SOIL	TREES PHASE 4 25 LFT +DUP	020591800	0206911100	2.6 U UG/G
	9102WB006	910205013551M	SOIL	TREES PHASE 4 25 LFT +DUP	020591800		
	9102WB006	910205014001M	SOIL	TREES PHASE 4 26 LFT	020591800	0206911100	2.3 U UG/G
	9102WB006	910205014201M	SOIL	HOUSE #40 10'FT'S DRIVEWAY WEST	020591800	0206911100	1.9 U UG/G
	9102WB006	910205014351M	SOIL	HOUSE #40 15'FT'S DRIVEWAY EAST	020591800	0206911100	2.1 U UG/G
	9102WB006	910205014451M	SOLID	ASPHALT COMPOSITES PHASE 4	020591800	0206911100	1.7 U UG/G

PHASE I WIDE BEACH SAMPLE LOG

RECEIVED BY	DOC# YRMOWB####	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9101WB015	9101100940AT	WATER	3 1000ML PLASTIC FOR PCB	0110911800	0111911100	25.0 UG/L
	9101WB015	9101100945AT	WATER	OIL/GREASE 1 1000ML PLASTIC	0110911800	0111911100	70.7 MG/L
	9101WB015	9101100950AT	WATER	BOD 1000ML PLASTIC	0110911800	0111911100	4.0 MG/L
	9101WB015	9101100952AT	WATER	TSS + PH 500ML PLASTIC	0110911800	0111911100	6.0 pH 82 TSS
	9101WB015	9101100955AT	WATER	500ML PLASTIC FOR IRON	0110911800	0111911100	4370 UG/L
	9101WB015	9101100957AT	WATER	1000ML PLASTIC FOR PCB	0110911800	0111911100	5.0 UG/L
	9101WB015	9101100958AT	WATER	D 1000ML PLASTIC FOR OIL/GREASE	0110911800	0111911100	6.7 MG/L
	9101WB015	9101101000AT	WATER	BOD - DUP 2 1000ML PLASTIC	0110911800	0111911100	14.0 MG/L
	9101WB015	9101101000AT	WATER	BOD - DUP 2 1000ML PLASTIC	0110911800		
	9101WB015	9101101001AT	WATER	500ML PLASTIC TSS	0110911800	0111911100	6.0 pH 252 TSS MG/L
	9101WB015	9101101003AT	WATER	500ML PLASTIC FOR IRON	0110911800	0111911100	10800 UG/L
	9101WB015	9101101005AT	WATER	1000ML PLASTIC FOR PCB	0110911800	0111911100	5.0 UG/L
	9101WB015	9101101010AT	WATER	1000ML PLASTIC FOR O/G	0110911800	0111911100	4.2 O/G MG/L
	9101SB015	9101101040SA	SOIL	ERET TREATMENT AREA	0110911800	0111911100	7.29 pH
	9101SB015	9101101050SA	SOIL	ERET TREATMENT AREA	0110911800	0111911100	8.37 pH
	9101SB015	9101101100SA	SOIL	DIT TREATMENT AREA	0110911800	0111911100	7.32 pH
	9101SB015	9101101110SA	SOIL	DIT TREATMENT AREA	0110911800	0111911100	7.27 pH

PHASE I WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9108WB042	9108220911JM	WATER	TREATED WATER FOR PCB	0823911100	0823911600	0.05 UG/L
		9108220912JM	WATER	TREATED WATER FOR BOD	0823911100	0823911600	7.7 MG/L
		9108220913JM	WATER	TREATED WATER FOR TOTAL IRON	0823911100	0824911600	1460 UG/L

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9102WB039	9102210950JM	WATER	KIMMINS TREATED WATER FOR WEEKLY	0221911800	0222911100	0.02 J UG/L
	9102WB039	9102211015JM	SOIL	DYKES IN DITCH PHASE 4	0221911800	0222911100	2.1 U UG/G
	9102WB039	9102211020JM	SOIL	DYKES IN DITCH PHASE 4	0221911800	0222911100	2.2 U UG/G
	9102WB039	9102211040JM	SOIL	HAUL ROAD SURFACE SAMPLES	0221911800	0222911100	2.1 U UG/G
	9102WB039	9102211045JM	SOIL	HAUL ROAD SURFACE SAMPLES	0221911800	0222911100	2.0 U UG/G
	9102WB039	9102211050JM	SOIL	HAUL ROAD SURFACE SAMPLES	0221911800	0222911100	1.6 J UG/G
	9102WB039	91022110[illegible]JM	SOIL	HAUL ROAD SURFACE SAMPLES	0221911800		
	9102WB039	9102211100JM	SOIL	HAUL ROAD SURFACE SAMPLES	0221911800	022291110[illegible]	1.3 J UG/G
	9102WB039	9102211110JM	SOIL	HAUL ROAD SURFACE SAMPLES	0221911800	[illegible]	0.9 J UG/G
	9102WB039	[illegible]JM	WATER	WATER UNDER LINER FOR [illegible]	[illegible]	[illegible]	[illegible] UG/L
	9102WB039	9102211400JM	SOIL	PHASE 5 CLEAN EXCAV. LFT SIDE [illegible]	[illegible]	[illegible]	[illegible]
	9102WB039	9102211410JM	SOIL	PHASE 5 CLEAN EXCAV. LFT SIDE [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	SOIL	PHASE 5 CLEAN EXCAV. LFT SIDE [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	SOIL	PHASE 5 CLEAN EXCAV. LFT SIDE [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	PHASE 5 CLEAN EXCAV. [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	9102211515JM	SOIL	FEED FROM [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	SOIL	FIRST EX STA [illegible] PHASE 4 [illegible] DITCH	[illegible]	0222911100	2.00 UG/G
	[illegible]	[illegible]	SOIL	FIRST EX STA [illegible] PHASE - ROAD	0221911800	[illegible]	2.00 UG/G
	[illegible]	[illegible]	SOIL	FIRST EX STA [illegible] PHASE 4 [illegible] DITCH	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	SOIL	ASPHALT COMPOSITE	[illegible]	[illegible]	[illegible]

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9103WB011	9103071430JM	SOIL	TAILINGS FOR PCB & % MOIST	0307911800	0308911100	0.5 U UG/G
	9103WB011	9103071430JM	SOIL	TAILINGS FOR PCB & % MOIST	0307911800		
	9103WB011	9103071435JM	SOIL	TAILINGS FOR PCB & % MOIST	0307911800	0308911100	0.5 U UG/G
	9103WB011	9103071445JM	SOIL	FEED FROM CONVEYOR	0307911800	0308911100	17 UG/G
	9103WB011	9103071500JM	WATER	KIMMINS TREATED EFFLUENT TANK	0307911800	0308911100	0.09 UG/L

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9103WB056	9103280820JM	SOIL	TAILINGS FOR PCB & % MOIST	0328911800	0329911100	0.5 U
		9103280825JM	SOIL	TAILINGS FOR PCB & % MOIST	0328911800	0329911100	0.5 U
		9103280840JM	SOIL	FEED FROM CONVEYOR	0328911800	0329911100	15
		9103280900JM	WATER	BOD 5 DAY 1-1000ML PLASTIC	0328911800	0329911100	
		9103280905JM	~~SOIL~~ WATER	SUSPENDED SOLIDS & PH - 1-500ML P	0328911800	0329911100	PH 6 TSS 1.2
		9103280910JM	~~SOIL~~ WATER	IRON TOTAL 1-500ML PLASTIC	0328911800	0329911100	
		9103280920JM	~~SOIL~~ WATER	OIL & GREASE 3- 950ML GLASS	0328911800	0329911100	OIL & GREASE 2.6
		9103280930JM	~~SOIL~~	PCB - 3-950ML GLASS	0328911800	0329911100	
		9103281715SB	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 9.89
		9103281716SB	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 7.26
		9103281717SB	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 7.73
		9103281718SB	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 7.34
		9103281400JM	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 8.14
		9103281405JM	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 7.91
		9103281410JM	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 8.69
		9103281415JM	SOIL	SOILTECH PH TREATED SOIL STOCKPIL	0328911800	0329911100	PH 8.28
		9103281430JM	SOIL	20'S OF 15+29.15, 42RT 0-6	0328911800	0329911100	5.1
		9103281500JM	SOIL	STAGEING PILE	0328911800	0329911100	290 ?
		9103281500JM	SOIL	STAGEING PILE	0328911800	0329911100	?
		9103281515JM	SOLID	ASPHALT COMPOSITE	0328911800	0329911100	4.6 ?
		9103281515JM	SOLID	TREATED SOIL FOR PCB & % MOIST	0328911800	0329911100	0.4 ?

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21 TOTAL

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9104WB035	9104110820JM	SOIL	TAILINGS FOR PCB & % MOIST	0411911800	0412911100	0.5 U
		9104110825JM	SOIL	TAILINGS FOR PCB & % MOIST	0411911800	0412911100	0.5 U
		9104110840JM	SOIL	FEED FROM CONVEYOR	0411911800	0412911100	31
		9104110845JM	WATER	THERMO COR TREATED H2O WEEKLY FOR	0411911800	0412911100	0.05 U
		9104110850JM	WATER	SOILTECH TREATED SOUR WATER	0411911800	0412911100	38
		9104110910JM	SOIL	POST EX TREES IN 12" LAWN CUT PHA	0411911800	0412911100	8.1
		9104110912JM	SOIL	POST EX TREES IN 12" LAWN CUT PHA	0411911800	0412911100	6.5
		9104110914JM	SOIL	POST EX TREES IN 12" LAWN CUT PHA	0411911800	0412911100	25
		9104110925JM	SOIL	POST EX HOT CEL PHASE STA 19+50 L	0411911800	0412911100	2.1 U
		9104110925JM	SOIL	POST EX HOT CEL PHASE STA 19+50 L	0411911800		
		9104110930JM	SOIL	POST EX RT DITCH 28" BETWEEN STA	0411911800	0412911100	18
		9104110945JM	SOIL	POST EX DITCH AREAS PHASE 5 STA 1	0411911800	0412911100	1.9 U
		9104110950JM	SOIL	POST EX DITCH AREAS PHASE 5 STA 1	0411911800	0412911100	12
		9104110955JM	SOIL	POST EX DITCH AREAS PHASE 5 STA 1	0411911800	0412911100	1.9 U
		9104111000JM	SOIL	POST EX DITCH AREAS PHASE 5 STA 1	0411911800	0412911100	1.9 U
		9104111015JM	SOIL	POST EX LAWN AREA PHASE 5	0411911800	0412911100	5.3
		9104111025JM	SOIL	POST EX LAWN AREA PHASE 5	0411911800	0412911100	19
		9104111410JM	SOIL	TREE 53 RT	0411911800	0412911100	24
		9104111425JM	SOIL	TREE 13 LFT	0411911800	0412911100	25
		9104111425JM	SOIL	POST EX ROAD STA 19+50 PHASE 5	0411911800		
		9104111445JM	SOIL	PHASE 6 PRE LAWN EX AT EX LIMIT	0411911800	0412911100	1.8 U
		9104111514JM	SOIL	PHASE 6 PRE LAWN EX AT EX LIMIT	0411911800	0412911100	2.1 U
		9104111516JM	SOIL	PHASE 6 PRE LAWN EX AT EX LIMIT	0411911800	0412911100	15
		9104111518JM	SOIL	PHASE 6 PRE LAWN EX AT EX LIMIT	0411911800	0412911100	2.2 U

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	:9104WB04B	:9104180830JM	WATER	:KIMMINS TREATED WATER FOR PCB	:0418911800	:0419911100	: 0.05 U
		:9104180900JM	SOIL	:60X40 10'E OF SE CORNER	:0418911800	:0419911100	: 50
		:9104180905JM	SOIL	:60X40 10'E OF SE CORNER	:0418911800	:0419911100	: 2.5 J
		:9104180905JM	SOIL	:60X40 10'E OF SE CORNER	:0418911800	:	:
		:9104180910JM	SOIL	:60X40 10'E OF SE CORNER	:0418911800	:0419911100	: 2.6 U
		:9104180925JM	SOIL	:60X40 40'E OF SE CORNER	:0418911800	:0419911100	: 15
		:9104180930JM	SOIL	:60X40 40'E OF SE CORNER	:0418911800	:0419911100	: 67
		:9104180935JM	SOIL	:60X40 40'E OF SE CORNER	:0418911800	:0419911100	: 160
		:9104180950JM	SOIL	:60X40 70'E OF SE CORNER	:0418911800	:0419911100	: 25
		:9104180955JM	SOIL	:60X40 70'E OF SE CORNER	:0418911800	:0419911100	: 1.7 J
		:9104181000JM	SOIL	:60X40 70'E OF SE CORNER	:0418911800	:0419911100	: 2.5 U
		:9104181015JM	SOIL	:60X40 20'N OF NE CORNER	:0418911800	:0419911100	: 10
		:9104181020JM	SOIL	:60X40 20'N OF NE CORNER	:0418911800	:0419911100	: 11
		:9104181025JM	SOIL	:60X40 20'N OF NE CORNER	:0418911800	:0419911100	: 5.6
		:9104181025JM	SOIL	:60X40 20'N OF NE CORNER	:0418911800	:	
		:9104181030JM	SOIL	:60X40 20'N OF NE CORNER	:0418911800	:0419911100	: 2.7 J
		:9104181045JM	SOIL	:60X40 UP 20 OVER 15'W NE CORNER	:0418911800	:0419911100	: 2.6 J
		:9104181050JM	SOIL	:60X40 UP 20 OVER 15'W NE CORNER	:0418911800	:0419911100	: 1.6 J
		:9104181055JM	SOIL	:60X40 UP 20 OVER 15'W NE CORNER	:0418911800	:0419911100	: 2.1 U
		:9104181100JM	SOIL	:60X40 UP 20 OVER 15'W NE CORNER	:0418911800	:0419911100	: 2.3 U
		:9104181400JM	SOIL	:60X40 70'E UP 60'N	:0418911800	:0419911100	: 2.8 U
		:9104181405JM	SOIL	:60X40 70'E UP 60'N	:0418911800	:0419911100	: 2.9 U
		:9104181410JM	SOIL	:60X40 70'E UP 60'N	:0418911800	:0419911100	: 2. U
		:9104181415JM	SOIL	:60X40 70'E UP 60'N	:0418911800	:0419911100	: 2.0 U

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9105WB006	9105020855JM	SOIL	TAILINGS FOR PCB & % MOIST	0502911800	0503911100	0.5 U
		9105020900JM	SOIL	TAILINGS FOR PCB & % MOIST	0502911800	0503911100	0.5 U
		9105020920JM	SOIL	FEED FROM CONVEYOR	0502911800	0503911100	11
		9105020940JM	WATER	THERMO COR WATER SAMPLES FOR PCB	0502911800	0503911100	0.05 U
		9105020942JM	~~SOIL~~ WATER	OIL & GREASE	0502911800	0503911100	1.6 OIL & GREASE
		9105020944JM	~~SOIL~~ WATER	TOTAL IRON	0502911800		
		9105020946JM	~~SOIL~~ WATER	SUSPENDED SOLIDS & PH	0502911800	0503911100	7 PH
		9105020948JM	~~SOIL~~ WATER	BOD	0502911800		
		9105021350JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	88
		9105021352JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	11
		9105021354JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	2.9
		9105021356JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	2.0 U
		9105021415JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	21
		9105021415JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800		
		9105021417JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	5.7
		9105021419JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	1.4 J
		9105021421JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	2.0 U
		9105021435JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	8.0
		9105021437JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	2.5 J
		9105021439JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	2.2 U
		9105021441JM	SOIL	PHASE 5 WETLANDS AREA 35X40	0502911800	0503911100	1.9 U
		9105021515JM	SOIL	PHASE 5 60 X 40	0502911800	0503911100	7.2
		9105021517JM	SOIL	PHASE 5 60 X 40	0502911800	0503911100	24
		9105021519JM	SOIL	PHASE 5 60 X 40	0502911800	0503911100	34

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9105WB032	9105160920JM	SOIL	TAILINGS FOR PCB & % MOIST	0516911800	0517911100	0.5 U
		9105160922JM	SOIL	TAILINGS FOR PCB & % MOIST	0516911800	0517911100	0.5 U
		9105160935JM	SOIL	FEED FROM CONVEYOR	0516911800	0517911100	18
		9105160940JM	SOIL	TAILINGS FOR PH	0516911800	0517911100	0.5 U 9.56 PH
		9105160950JM	WATER	TCOR WEEKLY TREATED WZO FOR PCB	0516911800	0517911100	0.05 U
		9105161000JM	SOIL	PH TREATED SOIL FOR SHIPMENT	0516911800	0517911100	8.15 PH
		9105161002JM	SOIL	PH TREATED SOIL FOR SHIPMENT	0516911800	0517911100	8.18 PH
		9105161004JM	SOIL	PH TREATED SOIL FOR SHIPMENT	0516911800	0517911100	7.94 PH
		9105161006JM	SOIL	PH TREATED SOIL FOR SHIPMENT	0516911800	0517911100	8.05 PH
		9105161015JM	SOIL	PHASE 1 WETLAND	0516911800	0517911100	8.21 PH
		9105161017JM	SOIL	PHASE 1 WETLAND	0516911800	0517911100	8.23 PH
		9105161019JM	SOIL	PHASE 1 WETLAND	0516911800	0517911100	8.18 PH
		9105161021JM	SOIL	PHASE 1 WETLAND	0516911800	0517911100	8.43 PH
		9105161315JM	SOIL	POST EX TRENCH PHASE 5 STA 18+30	0516911800	0517911100	2.1 U
		9105161500JM	WIPE	DOZER DECON WIPE SAMPLES LEFT	0516911800	0517911100	4.0 U
		9105161502JM	WIPE	DOZER DECON WIPE SAMPLES RIGHT	0516911800	0517911100	4.0 U
		9105161504JM	WIPE	DOZER DECON WIPE SAMPLES BLADE	0516911800	0517911100	4.0 U
		9105161506JM	WIPE	DOZER DECON WIPE SAMPLES FLOOR	0516911800	0517911100	4.0 U
		9105161525JM	SOIL	TAILINGS FOR PCB & % MOIST	0516911800	0517911100	0.5 U
		9105161525JM	SOIL	TAILINGS FOR PCB & % MOIST	0516911800		
		9105161550JM	WATER	SOILTECH TREATED SOUR WATER	0516911800	0517911100	25.0 U

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9105WB059	9105300915JM	SOIL	TAILINGS FOR PCB & % MOIST	0530911800	0531911100	0.5 U
		9105300917JM	SOIL	TAILINGS FOR PCB & % MOIST	0530911800	0531911100	0.5 U
		9105300917JM	SOIL	TAILINGS FOR PCB & % MOIST	0530911800		
		9105300919JM	SOIL	TAILINGS FOR PH	0530911800	0531911100	10.01 PH
		9105300950JM	SOIL	FEED FROM CONVEYOR	0530911800	0531911100	25
		9105301000JM	WATER	THERMO COR TREATED H2O PCB	0530911800	0531911100	0.05 U
		9105301002JM	SOIL	OIL & GREASE	0530911500	0531911100	0.0
		9105301004JM	SOIL	IRON TOTAL	0530911800		
		9105301006JM	SOIL	SUSPENDED SOLIDS/PH	0530911800	0531911100	7 PH 0.0 TSS
		9105301008JM	SOIL	BOD 5 DAY	0530911800		
		9105301550JM	SOIL	TAILINGS FOR PCB	0530911800	0531911100	0.5 U

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	:9104WB011	:9104040800DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 7.71 PH
		:9104040802DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 5.65 PH
		:9104040804DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 7.53 PH
		:9104040806DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 5.46 PH
		:9104040808DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 7.82 PH
		:9104040810DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 2.67 PH
		:9104040812DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 3.55 PH
		:9104040814DK	SOIL	:SOILTECH PH TREATED SOIL	:0404911800	:0405911100	: 6.75 PH
		:9104040815JM	SOIL	:TAILING FOR PCB & % MOIST	:0404911800	:0405911100	: 0.4 U
		:9104040820JM	SOIL	:TAILING FOR PCB & % MOIST	:0404911800	:0405911100	: 0.4 U
		:9104040830JM	SOIL	:FEED	:0404911800	:0405911100	: 22
		:9104040840JM	SOIL	:PHASE 6 AUGER SAMPLES STA 7+50 LF	:0404911800	:0405911100	: 1.3 J
		:9104040845JM	SOIL	:PHASE 6 AUGER SAMPLES STA 7+50 LF	:0404911800	:0405911100	: 2.0 U
		:9104040850JM	SOIL	:PHASE 6 AUGER SAMPLES STA 7+50 LF	:0404911800	:0405911100	: 2.0 U
		:9104040900JM	SOIL	:PHASE 6 AUGER SAMPLES STA 7+67 RT	:0404911800	:0405911100	: 3.9
		:9104040905WL	SOIL	:PHASE 6 AUGER SAMPLES STA 7+67 RT	:0404911800	:0405911100	: 2.0 U
		:9104040910WL	SOIL	:PHASE 6 AUGER SAMPLES STA 7+67 RT	:0404911800	:0405911100	: 2.0 U
		:9104040920JM	WATER	:TREATED WATER FOR SOILTECH	:0404911800	:0405911100	: 15 J
		:9104040925JM	WATER	:KIMMINS TREATED WATER WEEKLY PCB	:0404911800	:0405911100	: 0.05 U
		:9104040940WL	SOIL	:PHASE 6 AUGER SAMPLES STA 8+0 LFT	:0404911800	:0405911100	: 44
		:9104040940WL	SOIL	:PHASE 6 AUGER SAMPLES STA 8+0 LFT	:0404911800	:	
		:9104040945WL	SOIL	:PHASE 6 AUGER SAMPLES STA 8+0 LFT	:0404911800	:0405911100	: 37
		:9104040950WL	SOIL	:PHASE 6 AUGER SAMPLES STA 8+0 LFT	:0404911800	:0405911100	: 17
		:9104041000WL	SOIL	:PHASE 6 AUGER SAMPLES STA 8+0 RT	:0404911800	:0405911100	: 8.3

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9104WB068	9104250900JM	SOIL	TAILINGS FOR PCB & % MOIST	0425911800	0426911100	0.5 U
		9104250905JM	SOIL	TAILINGS FOR PCB & % MOIST	0425911800	0426911100	0.5 U
		9104250930JM	SOIL	FEED FROM CONVEYOR	0425911800	0426911100	27
		9104250935JM	SOIL	FEED FROM CONVEYOR	0425911800		
		9104251015JM	WATER	THERMOCOR TREATED H2O FOR PCB	0425911800	0426911100	0.05 U
		9104251135JM	WATER	WATER ON GROUND NEAR HOT PILE OF	0425911800	0426911100	25.1
		9104251405JM	SOIL	SOIL SAMPLED FROM DIRT EX TO INST	0425911800	0426911100	0.5
		9104251405JM	SOIL	SOIL SAMPLES FROM DIRT EX TO INST	0425911800	0426911100	6.6
		9104251420JM	SOIL	G&S COMPANY EX DIRT FROM PHASE I	0425911800	0426911100	1.9 J
		9104251500JM	SOIL	SOIL SAMPLES GROVE AREA COMPOSITE	0425911800	0426911100	1.1 U
		9104251515JM	SOIL	SOIL SAMPLES GROVE AREA COMPOSITE	0425911800	0426911100	0.2
		9104251555JM	SOIL	SOIL EX PHASE I STORM DRAIN	0425911800	0426911100	0.5
		9104251600JM	SOIL	SOIL EX PHASE I STORM DRAIN	0425911800	0426911100	0.5
		9104251620JM	SOIL	TAILINGS FOR PCB & % MOIST	0425911800	0426911100	0.5 U
		9104251620JM	SOIL	TAILINGS FOR PCB & % MOIST	0425911800		

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	:9106wb011	:9106070912JM	SOIL	:FEED FROM CONVEYOR	:0607911800	:0608911100	: 19
	:	:9106070912JM	SOIL	:FEED FROM CONVEYOR	:0607911800	:	:
	:	:9106070920JM	SOIL	:STAGEING PILES	:0607911800	:0608911100	: 8.5
	:	:9106070922JM	SOIL	:STAGEING PILES	:0607911800	:0608911100	: 13
	:	:9106070940JM	WATER	:THERMO CCR WEEKLY PCB FOR TREATED	:0607911800	:0608911100	: 0.05 U
	:	:9106071015JM	SOIL	:STAGEING PILE	:0607911800	:0608911100	: 4.1
	:	:9106071030JM	SOIL	:TAILING FOR PCB	:0607911800	:0608911100	: 0.5 U
	:	:9106071032JM	SOIL	:TAILING FOR PCB	:0607911800	:0608911100	: 0.3 U
	:	:9106071034JM	SOIL	:TAILINGS FOR PH	:0607911800	:0608911100	: 9.82 PH
	:	:9106071310JM	SOIL	:PH SAMPLES OF DIRT STOCKPILED	:0607911800	:0608911100	: 7.77 PH
	:	:9106071312JM	SOIL	:PH SAMPLES OF DIRT STOCKPILED	:0607911800	:0608911100	: 8.46 PH
	:	:9106071314JM	SOIL	:PH SAMPLES OF DIRT STOCKPILED	:0607911800	:0608911100	: 8.36 PH
	:	:9106071435JM	SOIL	:POST EXCAV 35X40 WETLANDS AREA PH	:0607911800	:0608911100	: 2.0 U
	:	:9106071440JM	SOIL	:POST EXCAV 35X40 WETLANDS AREA PH	:0607911800	:0608911100	: 1.9 U
	:	:9106071445JM	SOIL	:POST EXCAV 35X40 WETLANDS AREA PH	:0607911800	:0608911100	: 2.5 U
	:	:9106071500JM	SOIL	:TREE	:0607911800	:0608911100	: 170

PHASE I WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9108WB025	9108130800JM	SOIL	TAILINGS FOR PCB	08149111100	08159111600	0.5 UG/G
		9108130820JM	SOIL	TAILINGS FOR PCB	08149111100	08159111600	0.5 UG/G
		9108130920JM	SOIL	FEED FROM CONVEYOR	08149111100	08159111600	28 UG/G
		9108130815JM	WIPE	COMPOSITE WIPE SAMPLE OF SUPPORTS	08149111100	08159111600	4.0 UG/WIPE
		9108130830JM	WATER	TREATED WATER PCB	08149111100	08159111600	0.05 UG/L
		9108130831JM	WATER	TREATED WATER OIL & GREASE	08149111100	08159111600	0.3 MG/L
		9108130832JM	WATER	TREATED WATER SASP. SOLIDS/PH	08149111100	08159111600	0.0 / 7 MG/L
		9108130833JM	WATER	TREATED WATER IRON TOTAL	08149111100	08159111600	3100 UG/L
		9108130834JM	WATER	TREATED WATER BOD	08149111100	08159111600	14.8 MG/L
		9108130930JM	SOIL	SOIL SAMPLE FROM BOTTOM OF POND	08149111100	08159111600	50 UG/G
		9108131025JM	WIPE	WIPE SAMPLE FROM BLACK #10	08149111100	08159111600	4.0 UG/WIPE

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9110WB020	9110091525JM	WIPE	BLUE FORD TRACTOR R REAR TIRE	101091 1200	101191 1600	4.0 ug/wipe
		9110091527JM	WIPE	BLUE FORD FRAME OF ROTO TILLER	101091 1200	101191 1600	4.0 ug/wipe
		9110100740JM	WATER	TCI TREATED WATER FOR PCB	101091 1200	101191 1600	0.02 ug/L
		9110100755JM	SOIL	SOILTECH SMALL SPILL ON CLAY	101091 1200	101191 1600	2.2 ug/g
		9110100808JM	SOIL	SOIL UNDER LINER WHERE HOLES WER	101091 1200	101191 1600	1.0 ug/g
		9110100818JM	SOIL	SOIL UNDER LINER WHERE HOLES WER	101091 1200	101191 1600	1.0 ug/g
		9110101050JM	WIPE	REWIPE OF FIVE GAS SYSTEM	101091 1200	101191 1600	4.0 ug/wipe
		9110101025JM	WIPE	SOILTECH RIDING RINGS	101091 1200	101191 1600	4.0 ug/wipe

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9110WB023	9110150825JM	WATER	TREATED WATER FOR PCB'S WKLY	101591 1200	101691 1600	0.02 ug/L
		9110150840JM	WIPE	RUBBER SURFACE OF KILN TIRES	101591 1200	101691 1600	4.0 ug/wipe
		9110150842JM	WIPE	CENTER HUB OF TIRE RIM ON KILN	101591 1200	101691 1600	4.0 ug/wipe
		9110150850JM	WIPE	COVER OF ELECTRIC MOTOR/KILN DRI	101591 1200	101691 1600	12 ug/wipe

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9110WB011	9110041350JM	WATER	TREATED WATER FROM AWTS	100491 1600	100691 1600	0.43 ug/L
		9110041352JM	WATER	TREATED WATER FROM AWTS	100491 1600	100691 1600	0.58 ug/L

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9110WB006	9110011340JM	WIPE	SOILTECH WELDER ASSEMBLY	100291 1200	100391 1600	0.9 J ug/wipe
		9110021050JM	WIPE	SOILTECH CONVEYOR	100291 1200	100391 1600	4.0 U ug/wipe
		9110021105JM	WATER	TREATED WATER PCB's	100291 1200	100391 1600	0.56 ug/L
		9110021107JM	WATER	TREATED WATER O/L & Grease	100291 1200	100391 1600	0.0 MG/L
		9110021109JM	WATER	TREATED WATER TSS & Ph	100291 1200	100391 1600	6.2 MG/L 7.00
		9110021111JM	WATER	TREATED WATER	100291 1200	100391 1600	
		9110021113JM	WATER	TREATED WATER	100291 1200	100391 1600	
		9110021123JM	SOIL	LINER SOIL	100291 1200	100391 1600	9.0 ug/g

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9110WB30	9110241000JM	WATER	TCI TREATED WATER WKLY PCB'S	102491 1200	102591 1600	0.03 ug/L
		9110241010JM	WIPE	CONCRETE PAD - P8	102491 1200	102591 1600	4.0 ug/wipe
		9110241012JM	WIPE	CONCRETE PAD - P9	102491 1200	102591 1600	4.0 ug/wipe
		9110241014JM	WIPE	CONCRETE PAD - P10	102491 1200	102591 1600	4.0 ug/wipe
		9110241016JM	WIPE	CONCRETE PAD - P11	102491 1200	102591 1600	4.0 ug/wipe
		9110241018JM	WIPE	CONCRETE PAD - P12	102491 1200	102591 1600	4.0 ug/wipe
		9110241020JM	WIPE	CONCRETE PAD - P13	102491 1200	102591 1600	4.0 ug/wipe
		9110241022JM	WIPE	CONCRETE PAD - P14	102491 1200	102591 1600	4.0 ug/wipe

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO.	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB	RESULTING ANALYSIS
	9110WB035	9110310810JM	WIPE	CONCRETE PAD P60	103191 1200	110191 1600	7.9 ug/wipe
		9110310812JM	WIPE	CONCRETE PAD P61	103191 1200	110191 1600	1.7 ug/wipe
		9110310814JM	WIPE	CONCRETE PAD P62	103191 1200	110191 1600	4.0 ug/wipe
		9110310816JM	WIPE	CONCRETE PAD P63	103191 1200	110191 1600	4.0 ug/wipe
		9110310829JM	SOIL	EXPOSED SOIL FROM UNDER PAD	103191 1200	110191 1600	0.9 ug/g
		9110311040JM	WATER	TCI TREATED WATER PCB	103191 1200	110191 1600	0.05 ug/L
		9110311042JM	WATER	TCI TREATED WATER OIL & GREASE	103191 1200	110191 1600	0.7 MG/L
		9110311044JM	WATER	TCI TREATED WATER BOD 5 DAY	103191 1200	110191 1600	
		9110311046JM	WATER	TCI TREATED WATER IRON TOTAL	103191 1200	110191 1600	
		9110311048JM	WATER	TCI TREATED WATER SUSPENDED SOLI	103191 1200	110191 1600	0.4 MG/L
		9110310904JM	SOIL	EXPOSED SOIL FROM UNDER PAD	103191 1200	110191 1600	0.9 ug/g
		9110311345JM	WIPE	SM DECON TRAILER EXT. STEEL FRAM	103191 1200	110191 1600	4.0 ug/wipe
		9110311347JM	WIPE	MAIN DECON TRAILER EXT. FRAME	103191 1200	110191 1600	4.0 ug/wipe
		9110311349JM	WIPE	EXT. SURFACE OF 7000 GAL STEEL T	103191 1200	110191 1600	4.0 ug/wipe
		9110311351JM	WIPE	EXT. SURFACE OF 1500 GAL FIBERGL	103191 1200	1101911600	4.0 ug/wipe
		9110311410JM	SOIL	EXPOSED SOIL FROM UNDER PAD	103191 1200	110191 1600	0.9 ug/g
		9110311500JM	WIPE	AWTS PLANT CONTROL PANAL	103191 1200	110191 1600	4.0 ug/wipe
		9110311502JM	WIPE	AWTS CLARIFER TANK	103191 1200	110191 1600	4.0 ug/wipe
		9110311504JM	WIPE	AWTS POLYMER TANK	103191 1200	110191 1600	4.0 ug/wipe
		9110311506JM	WIPE	AWTS EFFLUENT TANK	103191 1200	110191 1600	4.0 ug/wipe
		9110311508JM	WIPE	AWTS 1ST CARBON CONTACTOR	103191 1200	110191 1600	4.0 ug/wipe

PER SPEC :	: 9010181045JM :	DUPLICATE	: PUMP HOUSE AREA POST EXCAVATION :	090/1700:	DUPLICATE :		
COE :	: 9010181100JM :	SOIL	: PUMP HOUSE AREA POST EXCAVATION :	181090/1700:	191090/1100:	10PPM PCB	
COE :	: 9010181115JM :	SOIL	: PUMP HOUSE AREA POST EXCAVATION :	181090/1700:	191090/1100:	7.8PPM PCB	

PER SPEC :	: 9010181120JM :	DECON RINSE	: DAILY DECON RINSE FOR COE	:181090/1700:	DUPLICATE :	<3.6 ?	
COE :	: 9010181540JM :	WATER	: INFLUENT WATER TO PLANT - PER TE:	181090/1700:	:		
COE :	: 9010181545JM :	WATER	: INFLUENT WATER TO PLANT - PER TE:	181090/1700:	191090/1100:	1.49PPM PCB	
COE :	: 9010181550JM :	WATER	: INFLUENT WATER TO PLANT - PER TE:	181090/1700:	:		
COE :	: 9010181555JM :	WATER	: INFLUENT WATER TO PLANT - PER TE:	181090/1700:	:		
COE :	: 9010181600JM :	WATER	: INFLUENT WATER TO PLANT - PER TE:	181090/1700:	:		
COE :	: 9010181610JM :	WATER	: EFFLUENT WATER - PER TEST	:181090/1700:	:		
COE :	: 9010181615JM :	WATER	: EFFLUENT WATER - PER TEST	:181090/1700:	191090/1100:	0.5PPM PCB	
COE :	: 9010181620JM :	WATER	: EFFLUENT WATER - PER TEST	:181090/1700:	:		
COE :	: 9010181625JM :	WATER	: EFFLUENT WATER - PER TEST	:181090/1700:	:		
COE :	: 9010181630JM :	WATER	: EFFLUENT WATER - PER TEST	:181090/1700:	:		
:	:	:	:	:	:		
PER SPEC : 9010WB019 :	9010191100JM :	SOIL	: CLEAN AREA AT 12+50 RIGHT	:191090/1700:	201090/1100:	20PPM PCB	
PER SPEC :	: 9010191115JM :	SOIL	: CLEAN AREA AT 11+50 RIGHT	:191090/1700:	201090/1100:	1.1PPM PCB	
PER SPEC :	: 9010191130JM :	SOIL	: CLEAN AREA AT 10+50 RIGHT	:191090/1700:	201090/1100:	2.3PPM PCB	
PER SPEC :	: 9010191300JM :	SOIL	: CLEAN GRASS POST EXC AT 5+50 RT	:191090/1700:	201090/1100:	1.0PPM PCB	
PER SPEC :	: 9010191315JM :	SOIL	: CLEAN GRASS POST EXC AT 6+50 RT	:191090/1700:	201090/1100:	17PPM PCB	
PER SPEC :	: 9010191330JM :	SOIL	: POST EXC DRIVEWAY HOUSE #8	:191090/1700:	201090/1100:	0.9PPM PCB	
PER SPEC :	: 9010191345JM :	SOIL	:POST EXC DRIVEWAY HOUSE 9,10,11	:191090/1700:	201090/1100:	33PPM PCB	
PER SPEC :	: 9010191400JM :	SOIL	:POST EXC DRIVEWAY HOUSE 9,10,11	:191090/1700:	201090/1100:	1.2PPM PCB	
PER SPEC :	: 9010191415JM :	SOIL	: POST EXC DRIVEWAY HOUSE 12	:191090/1700:	201090/1100:	0.8PPM PCB	
PER SPEC :	: 9010191530JM :	ASHPALT	: ASPHALT COMPOSIT REC 50 TON PH 2:	191090/1700:	201090/1100:	0.9PPM PCB	
PER SPEC :	: 9010191535JM :	DECON RINSE	: DAILY DECON RINSE FOR COE	:191090/1700:	:	<4 ?	

PER SPEC :		: EFFLUENT	: WA...	: TREATED WATER SAMPLE FOR DISCHA:	191.../1700:	201090/1100:	0.05 PPM PCB
PER SPEC :	9010WB020	: 9010221100JM :	SOIL	: POST EXCAVATION SAMPLES AT 15+50:	221090/1800:	231090/1100:	1.2PPM PCB

PER SPEC :		: 9010221115JM :	SOIL	: POST EXC AT 12+50 RT.	:221090/1800:	231090/1100:	4.8PPM PCB
PER SPEC :		: 9010221130JM :	SOIL	: POST EXC AT 13+50 LFT	:221090/1800:	231090/1100:	16PPM PCB
PER SPEC :		: 9010221145JM :	SOIL	: POST EXC. 13+50	:221090/1800:	231090/1100:	26PPM PCB
PER SPEC :		: 9010221200JM :	SOIL	: POST EXC. 13+50	:221090/1800:	231090/1100:	1.1PPM PCB
PER SPEC :	✓	: 9010221325JM :	SOIL	: TREATED SOIL SAMPLE REP 100 TONS:	221090/1800:	231090/1100:	0.9PPM PCB
PER SPEC :		: 9010221400JM :	SOIL	: POST EXC. AT 9+50 ROAD	:221090/1800:	231090/1100:	2.1PPM PCB
PER SPEC :		: 9010221415JM :	SOIL	: POST EXC. AT 10+50 RT	:221090/1800:	231090/1100:	1.0PPM PCB
COE :		: 9010221430JM :	SOIL	:POST EXC. PUMP HOUSE 6+93,85.5RT :	221090/1800:	231090/1100:	8.8PPM PCB
PER SPEC :		: 9010221435JM :	DECON RINSE	: DAILY DECON RINSE FOR COE	:221090/1800:	:	< 3.8 ?
PER SPEC :	✓	: 9010221550AT :	SOIL	: TREATED SOIL SAMPLE REP 100 TONS:	221090/1800:	231090/1100:	0.9PPM PCB
PER SPEC :	9010WB021	: 9010230900JM :	EFFLUENT WATER:	TREATED WATER - PCB NOV	:231090/1800:	241090/1100:	0.05PPM PCB
PER SPEC :		: 9010230905JM :	EFFLUENT WATER:	TREATED WATER - OIL AND GREASE NO:	231090/1800:	241090/1100:	0.2PPM PCB
PER SPEC :		: 9010230910JM :	EFFLUENT WATER:	TREATED WATER - IRON NOV	:231090/1800:	241090/1100:	
PER SPEC :		: 9010230915JM :	EFFLUENT WATER:	TREATED WATER - PH NOVEMBER	:231090/1800:	241090/1100:	6 PH UNITS
PER SPEC :		: 9010230920JM :	EFFLUENT WATER:	TREATED WATER - BOD NOVEMBER	:231090/1800:	241090/1100:	
PER SPEC :		: 9010231300JM :	SOIL	: CLEAN POST EXC AT 9+50 PH2	:231090/1800:	241090/1100:	3.8PPM PCB
PER SPEC :		: 9010231315JM :	SOIL	: CLEAN POST EXC AT 10+50 PH2	:231090/1800:	241090/1100:	8.3PPM PCB
PER SPEC :		: 9010231330JM :	SOIL	: CLEAN POST EXC AT 11+50 PH2	:231090/1800:	241090/1100:	57PPM PCB
PER SPEC :		: 9010231345JM :	SOIL	: CLEAN POST EXC AT 12+50 PH2	:231090/1800:	241090/1100:	7.5PPM PCB
PER SPEC :		: 9010231400JM :	SOIL	: POST EXC AT 13+50 N GRASS PH2	:231090/1800:	241090/1100:	1.1PPM PCB
PER SPEC :		: 9010231415JM :	SOIL	: POST EXC 13+50 S GRASS PH2	:231090/1800:	241090/1100:	4.6PPM PCB
PER SPEC :	✓	: 9010231430JM :	SOIL	: TREATED SOIL REP 100 TONS	:231090/1800:	241090/1100:	0.4PPM PCB

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
DISCHARGE	9011WB001	9011010830JM	WATER	EFFLUENT WATER FOR PCB	011190/1100	021190/1100	0.04PPM PCB
COE		9011010845JM	SOIL	HOUSE 44 PH 3 FRONT YARD SAMPLES	011190/1100	021190/1100	8.6PPM PCB
COE		9011010900JM	SOIL	HOUSE 44 PH 3 FRONT YARD SAMPLES	011190/1100	021190/1100	9.9PPM PCB
COE		9011010915JM	SOIL	HOUSE 44 PH 3 FRONT YARD SAMPLES	011190/1100	021190/1100	15PPM PCB
COE		9011010930JM	SOIL	HOUSE 44 PH 3 FRONT YARD SAMPLES	011190/1100	021190/1100	17PPM PCB
COE		9011010945JM	SOIL	HOUSE 44 PH 3 FRONT YARD SAMPLES	011190/1100	021190/1100	9.0PPM PCB
COE		9011011000JM	SOIL	HOUSE 44 PH 3 FRONT YARD SAMPLES	011190/1100	021190/1100	3.6PPM PCB
SPEC		9011011030JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	5.0PPM PCB
SPEC		9011011030JM	SOIL	DUPLICATE OF THE ABOVE	011190/1100		
SPEC		9011011040JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	3.7PPM PCB
SPEC		9011011050JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	1.0PPM PCB
SPEC		9011011100JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	1.0PPM PCB
SPEC		9011011110JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	0.9PPM PCB
SPEC		9011011120JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	3.0PPM PCB
SPEC		9011011130JM	SOIL	POST EXC. AT 8+50 PHASE 2	011190/1100	021190/1100	2.7PPM PCB
SPEC		9011010901JM	SOIL	TREATED SOIL FROM STOCKPILE ARE	011190/1100	021190/1100	0.5PPM PCB
COE		9011011300JM	SOIL	TREE SAMPLES PHASE 2	011190/1100	021190/1100	15PPM PCB
COE		9011011310JM	SOIL	TREE SAMPLES PHASE 2	011190/1100	021190/1100	6.5PPM PCB
COE		9011011320JM	SOIL	TREE SAMPLES PHASE 2	011190/1100	021190/1100	24PPM PCB
SPEC		9011011320JM	SOIL	DUPLICATE OF THE ABOVE SAMPLE	011190/1100		
COE		9011011330JM	SOIL	TREE SAMPLES PHASE 2	011190/1100	021190/1100	17PPM PCB
COE		9011011340JM	SOIL	TREE SAMPLES PHASE 2	011190/1100	021190/1100	240PPM PCB
COE		9011011350JM	SOIL	TREE SAMPLES PHASE 2	011190/1100	021190/1100	190PPM PCB

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9011WB008	9011080900JM	WATER	WATER FROM THE TANK FARM	081190/1800	091190/1100	7 PH, 0 TSS, 0.3PPM O+G
		9011081010JM	SOIL	DRIVEWAY POST EXC. HOUSE 57 PH	081190/1800	091190/1100	1.1PPM PCB
		9011081215JM	ASPHALT	ASPHALT COMPOSITE REP 50 TONS PH	081190/1800	091190/1100	3.0PPM PCB
		9011081300JM	SOIL	DRIVEWAY POST EXC PHASE 3	081190/1800	091190/1100	1.1PPM PCB
		9011081000JM	SOIL	BLACK TAILINGS FROM S.T. LAB	081190/1800	091190/1100	1.0PPM PCB, 9.19 PH
		9011081315JM	SOIL	STAGING PILES FROM THE LINER	081190/1800	091190/1100	32PPM PCB
		9011081315JM	SOIL	DUPLICATE OF THE ABOVE SAMPLE	081190/1800		
		9011081400JM	SOIL	STAGING PILES FROM THE LINER	081190/1800	091190/1100	16PPM PCB
		9011081500JM	WATER	TREATED WATER FOR PCB ONLY	081190/1800	091190/1100	0.05PPM PCB
		9011081600JM	SOIL	CLEAN POST EXC. AT 1+0 PHASE 3	081190/1800	091190/1100	1.0PPM PCB
		9011081615JM	SOIL	CLEAN POST EXC. AT 1+0 PHASE 3	081190/1800	091190/1100	2.0PPM PCB
		9011081700JM	SOIL	TREATED SOIL FOR PH	081190/1800	091190/1100	0.5PPM PCB, 8.58 PH
		9011081705JM	SOIL	TREATED SOIL FOR PH	081190/1800	091190/1100	0.5PPM PCB, 8.57 PH
		9011081710JM	SOIL	TREATED SOIL FOR PH	081190/1800	091190/1100	0.5PPM PCB, 9.00 PH
		9011081715JM	SOIL	TREATED SOIL FOR PH	081190/1800	091190/1100	0.5PPM PCB, 8.01 PH

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9011WB020	9011141000JM	WATER	TREATED WATER FOR PCB ONLY	141190/1700	151190/1100	0.05PPM PCB
		9011141015JM	WATER	DITCH WATER PH2 FOR PCB	141190/1700	151190/1100	3.1PPM PCB
		9011141030JM	SOIL	POST EXC. PH3 2+50 S DITCH	141190/1700	151190/1100	2.2PPM PCB
		9011141045JM	SOIL	POST EXC. PH3 2+50 N DITCH	141190/1700	151190/1100	2.1PPM PCB
		9011141100JM	SOIL	POST EXC. PH3 1+50 S GRASS	141190/1700	151190/1100	2.2PPM PCB
		9011141115JM	SOIL	POST EXC. PH3 1+50 S DITCH	141190/1700	151190/1100	2.1PPM PCB
		9011141130JM	SOIL	POST EXC. PH3 1+50 ROAD	141190/1700	151190/1100	1.9PPM PCB
		9011141145JM	SOIL	POST EXC. PH3 1+50 N DITCH	141190/1700	151190/1100	2.2PPM PCB
		9011141200JM	SOIL	POST EXC. PH3 1+50 N GRASS	141190/1700	151190/1100	2.2PPM PCB
		9011141245JM	SOIL	TREATED SOIL STOCKPILE	141190/1700	151190/1100	0.5PPM PCB
		9011141300JM	SOIL	STAGING PILES ON THE LINER	141190/1700	151190/1100	7.4PPM PCB
		9011141310JM	SOIL	STAGING PILES ON THE LINER	141190/1700	151190/1100	30PPM PCB
		9011141310JM	SOIL	DUPLICATE OF THE ABOVE			
		9011141320JM	SOIL	STAGING PILES ON THE LINER	141190/1700	151190/1100	16PPM PCB
		9011141305JM	SOIL	POST EXC. PH3 0+50 S GRASS	141190/1700	151190/1100	1.8PPM PCB
		9011141315JM	SOIL	POST EXC. PH3 0+50 S DITCH	141190/1700	151190/1100	2.1PPM PCB
		9011141330JM	SOIL	POST EXC. PH3 0+50 ROAD	141190/1700	151190/1100	1.9PPM PCB
		9011141515JM	SOIL	HOUSE 44 FRONT LAWN SAMPLES	141190/1700	151190/1100	9.9PPM PCB
		9011141530JM	SOIL	HOUSE 44 FRONT LAWN SAMPLES	141190/1700	151190/1100	8.9PPM PCB
		9011141545JM	SOIL	HOUSE 44 FRONT LAWN SAMPLES	141190/1700	151190/1100	14PPM PCB
		9011141600JM	SOIL	HOUSE 44 FRONT LAWN SAMPLES	141190/1700	151190/1100	22PPM PCB
		9011141615JM	ASPHALT	ASPHALT COMPOSIT REP 50 TON	141190/1700	151190/1100	1.7PPM PCB
		9011141630JM	SOIL	POST EXC SAMPLES PICNIC AREA	141190/1700	151190/1100	2.2PPM PCB

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
KIM/	9011WB027	9011211015JM	WATER	TREATED WATER SAMPLE FOR PCB	211190/1800	221190/1100	0.05PPB PCB
KIM	9011WB027	9011211030JM	WATER	NORTH DITCH STA 5 + 0 PHASE 3	211190/1800	221190/1100	0.1PPB PCB
KIM ✓	9011WB027	9011211130JM	SOIL	TREATED SOIL STOCKPILE	211190/1800	221190/1100	0.5PPM PCB

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9011WB032	9011280830JM	WATER	TREATED WATER PLANT TESTED FOR PC	281190/1700	291190/1100	0.05PPB PBC
	9011WB032	9011280835JM	WATER	TREATED WATER PLANT OIL&GREASE	281190/1700	291190/1100	
	9011WB032	9011280840JM	WATER	TREATED WATER PLANT IRON TOTAL	281190/1700	291190/1100	
	9011WB032	9011280845JM	WATER	TREATED WATER PLANT SUSPENDED SOL	281190/1700	291190/1100	
	9011WB032	9011280850JM	WATER	TREATED WATER PLANT BOD-5 DAY	281190/1700	291190/1100	
✓	9011WB032	9011281130JM	SOIL	TREATED SOIL STOCKPILE	281190/1700	291190/1100	0.5PPM PCB
✓	9011WB032	9011281145JM	SOIL	TREATED SOIL STOCKPILE	281190/1700	291190/1100	0.5PPM PCB
	9011WB032	9011281400JM	SOIL	5'E, 10'N OF 2+50, 23LT -2:00	281190/1700	291190/1100	1.4PPM PCB
	9011WB032	9011281415JM	SOIL	11'S, 12'E OF 1+0, 24 LT - 2:15	281190/1700	291190/1100	2.0PPM PCB
	9011WB032	9011281550JM	SOIL	6'E, 14'N OF 1+50, 23.5 LT -3:50	281190/1700	291190/1100	2.4PPM PCB
	9011WB032	9011281600JM	SOIL	16'E OF 1+50, 23.5 LT -4:00	281190/1700	291190/1100	2.0PPM PCB
	9011WB032	9011281610JM	SOIL	25'E OF 1+50, 23.5 LT - 4:10	281190/1700	291190/1100	5.2PPM PCB
	9011WB032	9011281620JM	SOIL	32'E OF 1+50, 23.5 LT - 4:20	281190/1700	291190/1100	2.2PPM PCB
	9011WB032	9011281630JM	SOIL	+DUP-42'E, 7'N OF 1+50, 23.5 LT	281190/1700	291190/1100	35PPM PCB
✓	9011WB032	9011281645JM	SOIL	TREATED SOIL STOCKPILE	281190/1700	291190/1100	0.5PPM PCB
	9011WB032	9011281630JM	SOIL	+DUP-42'E, 7'N OF 1+50, 23.5 LT	281190/1700		

PHASE 1 WIDE BEACH SAMPLE LOG

EQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9011WB039	9011301040JM	WATER	EFFLUENT WATER FOR PCB	113090/1700	120190/1100	0.05U PPB PCB
		9011301045JM	WATER	EFFLUENT WATER FOR O+G	113090/1700	120190/1100	0.2 PPM OIL/GREASE
		9011301050JM	WATER	EFFLUENT WATER FOR TSS	113090/1700	120190/1100	0 PPM TSS 7.0 PH UNITS
		9011301055JM	WATER	EFFLUENT WATER FOR FE	113090/1700	120190/1100	
		9011301100JM	WATER	EFFLUENT WATER FOR BOD 5	113090/1700	120190/1100	
		9011301400JM	SOIL	POST EXC AT 0+50 PH3	113090/1700	120190/1100	8.6 PPM PCB
		9011301410JM	SOIL	POST EXC AT 0+50 PH3	113090/1700	120190/1100	1.9PPM PCB
		9011301420JM	SOIL	POST EXC AT 0+50 PH3	113090/1700	120190/1100	2.0PPM PCB
		9011301420JM	SOIL	DUPLICATE OF THE ABOVE			
		9011301430JM	SOIL	POST EXC AT 0+50 PH3	113090/1700	120190/1100	2.1PPM PCB
		9011301440JM	SOIL	POST EXC AT 0+50 PH3	113090/1700	120190/1100	11PPM PCB
		9011301450JM	SOIL	CLEAN LIMIT 0+50 AFTER 6" ADD	113090/1700	120190/1100	2.0PPM PCB
		9011301500JM	SOIL	POST EXC DRIVEWAY HOUSE 42	113090/1700	120190/1100	2.3PPM PCB
		9011301510JM	SOIL	TREE 22 PT PHASE 3	113090/1700	120190/1100	2.1PPM PCB
		9011301520JM	SOIL	TREE 22 PT PHASE 3	113090/1700	120190/1100	2.5PPM PCB
		9011301530JM	SOIL	TREE 24 PT PHASE 3	113090/1700	120190/1100	4.4PPM PCB
		9011301540JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	5.18 PH UNITS
		9011301550JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	5.75 PH UNITS
		9011301600JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	7.74 PH UNITS
		9011301610JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	5.55 PH UNITS
		9011301620JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	5.97 PH UNITS
		9011301630JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	6.05 PH UNITS
		9011301640JM	SOIL	TREATED SOIL FOR PH	113090/1700	120190/1100	7.5 PH UNITS

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9012WB015	9012120815JM	SOIL	TREATED SOIL FOR PH	121290/1700	121390/1100	6.88 PH UNITS
		9012120830JM	SOIL	TREATED SOIL FOR PH	121290/1700	121390/1100	6.67 PH UNITS
		9012120845JM	WATER	AWTS TREATED WATER FOR PCB	121290/1700	121390/1100	0.05 U PPB PCB
		9012120910JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	25PPM PCB
		9012120920JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	24PPM PCB
		9012120930JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	1.7PPM PCB
		9012120940JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	3.4PPM PCB
		9012120950JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	2.5PPM PCB
		9012121000JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	2.3PPM PCB
		9012121000JM	SOIL	DUPLICATE OF THE ABOVE			
		9012121010JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	7.2PPM PCB
		9012121020JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	18PPM PCB
		9012121030JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	21PPM PCB
		9012121040JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	2.1PPM PCB
		9012121050JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	2.1PPM PCB
		9012121100JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	2.1PPM PCB
		9012121110JM	SOIL	PHASE 4 TREES	121290/1700	121390/1100	2.1PPM PCB
		9012121300JM	SOIL	HOUSE 51 YARD SAMPLES PH4	121290/1700	121390/1100	2.3PPM PCB
		9012121315JM	SOIL	HOUSE 51 YARD SAMPLES PH4	121290/1700	121390/1100	2.1PPM PCB
		9012121330JM	SOIL	HOUSE 51 YARD SAMPLES PH4	121290/1700	121390/1100	2.4PPM PCB
		9012121330JM	SOIL	DUPLICATE OF THE ABOVE			
		9012121345JM	SOIL	HOUSE 51 YARD SAMPLES PH4	121290/1700	121390/1100	10PPM PCB
		9012121400JM	SOIL	HOUSE 51 YARD SAMPLES PH4	121290/1700	121390/1100	1.5PPM PCB

PHASE 1 WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9012WB032	9012311000JM	WATER	TREATED WATER FOR PCB	311290/1700	321290/1100	1.2PPB PCB
		9012311430JM	SOIL	DICK R'S DAILY FOR % MOIST.	311290/1700	321290/1100	13.7PPM PCB
		9012311500JM	WATER	OIL & GREASE	311290/1700	321290/1100	0.00PPM PCB
		9012311505JM	WATER	BOD, 5 DAY	311290/1700	321290/1100	
		9012311510JM	WATER	SUSPENDED SOLIDS, PH	311290/1700	321290/1100	7.00PH TSS 0.4PPM PCB
		9012311515JM	WATER	IRON TOTAL	311290/1700	321290/1100	

PHASE I WIDE BEACH SAMPLE LOG

REQUESTED BY	COC# YRMOWB###	SAMPLE NO. YRMODATIMECC	MATERIAL SAMPLED	DESCRIPTION OF SAMPLE LOCATION	TO LAB DATE/TIME	FROM LAB DATE/TIME	RESULTING ANALYSIS
	9101WB010	9101081315JM	SOIL	TREAETED SOIL STOCKPILE FOR PCB	080191/1800	090191/1100	0.4PPM PCB
		9101081530JM	WATER	TOTAL DISCHARGE PERMIT PCB	080191/1800	090191/1100	1.0PPB PCB
		9101081531JM	WATER	TOTAL DISCHARGE PERMIT OIL&GREASE	080191/1800	090191/1100	18.6PPM PCB
		9101081532JM	WATER	TOTAL DISCHARGE PERMIT BOD 5 DAY	080191/1800		
		9101081533JM	WATER	TOTAL DISCHARGE PERMIT SUSPENDED	080191/1800	090191/1100	7PH 156.0TSS
		9101081534JM	WATER	TOTAL DISCHARGE PERMIT TOTAL IRON	080191/1800		