

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of the  
Development and Implementation  
of a Remedial Program for an  
Inactive Hazardous Waste Disposal  
Site, Under Article 27, Title 13,  
and Article 71, Title 27 of the  
Environmental Conservation Law  
of the State of New York by

**Honeywell International, Inc.**

Respondent.

**ORDER ON CONSENT**

File No. 02-04

Index No. B9-0512-0105

**WHEREAS,**

1. A. The New York State Department of Environmental Conservation (the "Department") is responsible for enforcement of Article 27, Title 13 of the Environmental Conservation Law of the State of New York ("ECL") entitled "Inactive Hazardous Waste Disposal Sites." The Department asserts that any person under order pursuant to ECL 27-1313.3.a has a duty imposed by ECL Article 27, Title 13 to carry out the Inactive Hazardous Waste Disposal Site Remedial Program committed to under order. The Department asserts that ECL 71-2705 provides that any person who fails to perform any duty imposed by ECL Article 27, Title 13 shall be liable for civil, administrative, and/or criminal sanctions.  
  
B. The Department also asserts that it has the authority, *inter alia*, to provide for the prevention and abatement of all water, land, and air pollution. *See, e.g.*, ECL 3-0301.1.i.  
  
C. This Order is issued pursuant to the Department's authority under, *inter alia*, ECL Article 27, Title 13, ECL Article 71, Title 27, and ECL 3-0301.
2. The Buffalo Color site, located on South Park Avenue in the City of Buffalo, is currently owned and operated by Buffalo Color Corporation ("Buffalo Color"). Respondent Honeywell International, Inc. ("Honeywell") is a former owner of the site.
3. The Buffalo Color site (excluding Buffalo Color Area D, Site No. 915012) is not currently listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State. A map of the site is attached as Exhibit "A".
4. Respondent Honeywell's obligations under this Order are to implement the requirements herein, including the work set forth in the Department approved Scope of Work attached hereto as Exhibit "B".

5. Respondent consents to the Department's issuance of this Order without (i) an admission or finding of liability, fault, wrongdoing, or violation of any law, regulation, permit, order, requirement, or standard of care of any kind whatsoever, or (ii) an acknowledgment that there has been a release or threatened release of hazardous waste or that the release or threatened release of hazardous waste at or from the Site constitutes a significant threat to public health or the environment.

6. The parties recognize that implementation of this Order will expedite the cleanup of the Site and may avoid prolonged and complicated litigation between the parties, and that this Order is mutually acceptable, fair, reasonable, and in the public interest.

7. Solely with regard to the matters set forth below, Respondent hereby waives its right to a hearing herein as provided by law, consents to the issuance and entry of this Order, and agrees to be bound by its terms. Respondent consents to and agrees not to contest the authority or jurisdiction of the Department to issue or enforce this Order, and agrees not to contest the validity of this Order or its terms, or the validity of the data generated by Respondent pursuant to this Order.

**NOW**, having considered this matter and being duly advised, **IT IS ORDERED THAT:**

I. Initial Submittal

Within thirty (30) Days after the effective date of this Order, Respondent shall submit to the Department a Records Search Report in accordance with the requirements of Exhibit "F" attached hereto. The Records Search Report can be limited if the Department notifies Respondent that prior submissions satisfy specific items required for the Records Search Report. Such Records Search Report shall be submitted in a format acceptable to the Department.

II. Development, Performance, and Reporting of Work Plans

A. Work Plans

All activities at the Site that comprise any element of an Inactive Hazardous Waste Disposal Site Remedial Program ("Remedial Program") shall be conducted pursuant to the Department-approved Scope of Work and one or more Department-approved work plans ("Work Plan" or "Work Plans") and this Order. The Work Plan(s) under this Order shall be developed and implemented in accordance with CERCLA, the NCP, and all applicable statutes, regulations, and guidance documents then in effect. The Department-approved Scope of Work and all Department-approved Work Plans shall be incorporated into and become an enforceable part of this Order and shall be attached as Exhibit "B." Upon approval of a Work Plan by the Department, Respondent shall implement such Work Plan in accordance with the schedule contained in such Work Plan. Nothing in this Subparagraph shall mandate that any particular

Work Plan be submitted. Further, each Work Plan submitted shall use one of the following captions on the cover page:

1. "Site Characterization Work Plan" ("SC Work Plan"): a Work Plan the objective of which is to identify the presence of any hazardous waste disposed of at the Site. Such Work Plan shall be developed in accordance with Exhibit "G";
2. "Remedial Investigation/Feasibility Study Work Plan" ("RI/FS Work Plan"): a Work Plan the objective of which is to perform a Remedial Investigation and a Feasibility Study. Such Work Plan shall be developed and implemented in accordance with the requirements set forth in Exhibit "H";
3. "IRM Work Plan": a Work Plan the objective of which is to provide for an Interim Remedial Measure. Such Work Plan shall be developed in accordance with Exhibit "I";
4. "Remedial Design/Remedial Action Work Plan" ("RD/RA Work Plan"): a Work Plan the objective of which is to provide for the development and implementation of the final plans and specifications for implementing the remedial alternative set forth in the ROD. Such Work Plan shall be developed in accordance with Exhibit "J"; or
5. "OM&M Work Plan": a Work Plan the objective of which is to provide for all activities required to maintain and monitor the effectiveness of the Remedial Action or an IRM. Such Work Plan shall be developed in accordance with Exhibit "K."

B. Submission/Implementation of Work Plans

1. (a) The IRM Work Plan shall be submitted to the Department within sixty (60) Days after the effective date of this Order.
- (b) The Department may request that Respondent submit such other, additional, or supplemental Work Plans as are appropriate to advance the Remedial Program at the Site. Within thirty (30) Days after the Department's written request, Respondent shall advise the Department in writing whether it will submit and implement the requested additional Work Plan (or Supplemental Work Plan) or whether it elects to terminate this Order pursuant to Paragraph XIII. If Respondent elects to submit and implement such Work Plan, Respondent shall submit a Work Plan providing for implementation of the activities requested within sixty (60) Days after such election. If Respondent elects to terminate this Order or fails to make a timely election, this Order shall terminate pursuant to Paragraph XIII.
- (c) Respondent may, at Respondent's option, propose one or more additional or supplemental Work Plans (including one or more IRM Work Plans) at any time, which Work Plan(s) shall be reviewed for appropriateness and technical sufficiency.

(d) Any request made by the Department under Subparagraph II.B.1.(b) shall be subject to dispute resolution pursuant to Paragraph XII.

2. A Professional Engineer must prepare, sign, and seal all Work Plans other than a Work Plan for an RI/FS or an SC.

3. During all field activities, Respondent shall have on-Site a representative who is qualified to supervise the activities undertaken. Such representative may be an employee or a consultant retained by Respondent to perform such supervision.

C. Revisions to Work Plans

The Department shall notify Respondent in writing if the Department determines that any element of a Department-approved Work Plan needs to be modified in order to achieve the objectives of the Work Plan as set forth in Subparagraph II.A or to ensure that the Remedial Program otherwise protects human health and the environment. Upon receipt of such notification, Respondent shall, subject to Respondent's right to invoke dispute resolution pursuant to Paragraph XII, submit a Work Plan for such requested work to the Department within sixty (60) Days after the date of the Department's written notice pursuant to this Subparagraph.

D. Submission of Final Reports and Annual Reports

1. In accordance with the schedule contained in a Work Plan, Respondent shall submit a final report which includes the caption of that Work Plan on the cover page and a certification that all requirements of the Work Plan have been complied with and all activities have been performed in full accordance with such Work Plan. Such certification shall be by the person with primary responsibility for the day to day performance of the activities under this Order and, except for RI and SC final reports, shall be by a Professional Engineer.

2. In the event a final report sets forth construction activities performed during the implementation of a Work Plan, such final report shall include "as built" drawings showing all changes made to the remedial design or the IRM.

3. In the event that the ROD for the Site, if any, or any Work Plan for the Site requires operation, maintenance, and monitoring (OM&M), including reliance upon institutional or engineering controls, Respondent shall submit an annual report by the 1<sup>st</sup> Day of the month following the anniversary of the start of the OM&M. Respondent shall file such annual report until the Department determines that the Site can be closed out and so notifies Respondent in writing. Such annual report shall be signed by a Professional Engineer and shall contain a certification that any institutional and engineering controls put in place pursuant to this Order are still in place, have not been materially altered, and are still effective in achieving their objectives. Respondent shall notify the Department within twenty-four (24) hours of discovery of any upset, interruption, or termination of such controls without the prior approval of the Department. Further, Respondent shall take all actions required by the Department to maintain

conditions at the Site that achieve the objectives of the Remedial Program and are protective of public health and the environment. An explanation of such upset, interruption, or termination of one or more controls and the steps taken in response shall be included in the foregoing notice and in the annual report required by this Subparagraph, as well as in any progress reports required by Paragraph III. Respondent can petition the Department for a determination that the institutional and/or engineering controls may be terminated. Such petition must be supported by a Professional Engineer stating that such controls are no longer necessary for the protection of public health and the environment. The Department shall not unreasonably withhold its approval of such petition.

E. Review of Submittals other than Progress Reports and Health and Safety Plans

1. The Department shall make a good faith effort to review and respond to each of the submittals Respondent makes pursuant to this Order within sixty (60) Days. The Department's response shall include an approval or disapproval of the submittal, in whole or in part, and notification to Respondent of the Department's determination. All Department-approved submittals shall be incorporated into and become an enforceable part of this Order.

2. If the Department disapproves a submittal, it shall specify the reasons for its disapproval. Within thirty (30) Days after the date of the Department's written notice that Respondent's submittal has been disapproved or rejected, Respondent shall elect, in writing and subject to Subparagraph II.E.3, to either (i) modify the submittal to address the Department's comments, or (ii) invoke dispute resolution pursuant to Paragraph XII. If Respondent elects to modify the submittal, Respondent shall, within sixty (60) Days after such election, make a revised submittal to the Department that addresses all of the Department's stated reasons for disapproving the first submittal. In the event that Respondent's revised submittal is disapproved, Respondent shall be in violation of this Order unless it invokes dispute resolution pursuant to Paragraph XII and its position prevails. Failure to make an election or failure to comply with the election is a violation of this Order.

3. In the event the rejected submittal is a Work Plan submitted prior to the Department's approval of the RD/RA Work Plan, Respondent shall have the additional option to terminate this Order pursuant to Paragraph XIII.

4. Within thirty (30) Days after the Department's approval of a final report, Respondent shall submit such final report to the Department, as well as all data gathered and drawings and submittals made pursuant to such Work Plan, in an electronic format acceptable to the Department. If any document cannot be converted into electronic format, Respondent shall so advise the Department and, if the Department concurs, submit such document in an alternative format acceptable to the Department.

F. Department's Issuance of a ROD

Respondent shall cooperate with the Department and provide reasonable assistance, consistent with the Citizen Participation Plan, in soliciting public comment on the proposed remedial action plan ("PRAP"), if any. After the close of the public comment period, the Department shall select a final remedial alternative for the Site in a ROD. Nothing in this Order shall be construed to abridge the rights of Respondent, as provided by law, to judicially challenge the Department's ROD.

G. Release and Covenant Not to Sue

Upon the Department's approval of either the RD/RA Work Plan final report or an IRM Work Plan final report evidencing that no further remedial action (other than OM&M activities) is required to meet the goals of the Remedial Program, then, except for the provisions of Paragraphs VI and VIII, and except for the future OM&M of the Site and any Natural Resource Damage claims, such acceptance shall constitute a release and covenant not to sue for each and every claim, demand, remedy, or action whatsoever against Respondent, its directors, officers, employees, agents, servants, successors, and assigns (except successors and assigns who were responsible under law for the development and implementation of a Remedial Program at the Site prior to the effective date of this Order), and their respective secured creditors, which the Department has or may have pursuant to Article 27, Title 13 of the ECL or pursuant to any other provision of statutory or common law involving or relating to investigative or remedial activities relative to or arising from the disposal of hazardous wastes (or other contaminants remediated by Respondent to the Department's satisfaction pursuant to the ROD or Work Plans) at the Site; provided, however, that the Department specifically reserves all of its rights concerning, and any such release and covenant not to sue shall not extend to any further investigation or remediation the Department deems necessary with regard to any matters not covered by the scope of work, or to any further investigation or remediation due to environmental conditions on-Site or off-Site which are related to the disposal of hazardous wastes at the Site and which indicate that the Remedial Program is not protective of public health and/or the environment. The Department shall notify Respondent of such matters not covered by the scope of work, and such environmental conditions or information and its basis for determining that the Remedial Program is not protective of public health and/or the environment.

This release and covenant not to sue shall be null and void, *ab initio*, in the event of fraud relating to the execution or implementation of this Order or in the event of Respondent's failure to materially comply with any provision of this Order. The Department's determination that Respondent has committed fraud or has materially failed to comply with this Order shall be subject to dispute resolution.

Nothing herein shall be construed as barring, diminishing, adjudicating, or in any way affecting any legal or equitable rights or claims, actions, suits, causes of action, or demands whatsoever that (i) Respondent may have against anyone other than the Department, and (ii) the Department may have against anyone other than Respondent, its directors, officers, employees, agents, and servants, and those successors and assigns of Respondent that were not responsible

under law for the development and implementation of a Remedial Program at the Site prior to the effective date of this Order, and their respective secured creditors.

### III. Progress Reports

Respondent shall submit written progress reports to the parties identified in Subparagraph XI.A.1 by the 10<sup>th</sup> Day of each month commencing with the month subsequent to the approval of the first Work Plan and ending with the Termination Date, unless a different frequency is set forth in a Work Plan. Such reports shall, at a minimum, include: all actions taken pursuant to this Order during the previous reporting period and those anticipated for the next reporting period; all approved activity modifications (changes of work scope and/or schedule); all results of sampling and tests and all other data received or generated by or on behalf of Respondent in connection with the Site, whether under this Order or otherwise, in the previous reporting period, including quality assurance/quality control information; and information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the future schedule, efforts made to mitigate such delays, and information regarding activities undertaken in support of the Citizen Participation Plan during the previous reporting period and those anticipated for the next reporting period.

### IV. Penalties

A. 1. Respondent's failure to comply with any term of this Order constitutes a violation of this Order, the ECL, and 6 NYCRR Section 375-1.2(d). Nothing herein abridges Respondent's right to contest, defend against, dispute, or disprove any such claim, assertion, or allegation that it has violated this Order.

2. Within thirty (30) Days after the effective date of this Order, Respondent may elect, in writing, addressed to the Department's project attorney with a copy to the Department's project manager, to opt out of the application of statutory penalties and, in lieu thereof, to have the following stipulated penalties apply in the event of Respondent's failure to comply with this Order:

<u>Period of Non-Compliance</u>	<u>Penalty Per Day</u>
1st through 15th day	\$ 500.00
16th through 30th day	\$ 1,000.00
31st day and thereafter	\$ 1,500.00

3. Payment of the penalties shall not in any way alter Respondent's obligation to complete performance under the terms of this Order.

B. 1. Respondent shall not suffer any penalty or be subject to any proceeding or action in the event it cannot comply with any requirement of this Order as a result of any event arising from causes beyond the reasonable control of Respondent, of any entity controlled by Respondent, and of Respondent's contractors, that delays or prevents the performance of any

obligation under this Order despite Respondent's best efforts to fulfill the obligation ("Force Majeure Event"). The requirement that Respondent exercise best efforts to fulfill the obligation includes using best efforts to anticipate the potential Force Majeure Event, best efforts to address the effects of any such event as it is occurring, and best efforts following the Force Majeure Event, such that the delay is minimized to the greatest extent possible. "Force Majeure" does not include Respondent's economic inability to comply with any obligation, the failure of Respondent to make complete and timely application for any required approval or permit, and non-attainment of the goals, standards, and requirements of this Order.

2. Respondent shall notify the Department in writing within seven (7) Days after it obtains knowledge of any Force Majeure Event. Respondent shall include in such notice the measures taken and to be taken to prevent or minimize any delays and shall request an appropriate extension or modification of this Order. Failure to give such notice within such seven (7) Day period constitutes a waiver of any claim that a delay is not subject to penalties. Respondent shall be deemed to know of any circumstance which it, any entity controlled by it, or its contractors knew or should have known.

3. Respondent shall have the burden of proving by a preponderance of the evidence that (i) the delay or anticipated delay has been or will be caused by a Force Majeure Event; (ii) the duration of the delay or the extension sought was or will be warranted under the circumstances; (iii) best efforts were exercised to avoid and mitigate the effects of the delay; and (iv) Respondent complied with the requirements of Subparagraph IV.B.2 regarding timely notification.

4. If the Department agrees that the delay or anticipated delay is attributable to a Force Majeure Event, the time for performance of the obligations under this Order that are affected by the Force Majeure Event shall be extended by the Department for such time as is reasonably necessary to complete those obligations.

5. If Respondent asserts that an event provides a defense to non-compliance with this Order pursuant to Subparagraph IV.B and the Department rejects such assertion, Respondent shall be in violation of this Order unless it invokes dispute resolution pursuant to Paragraph XII and Respondent's position prevails.

V. Entry upon Site

A. Respondent hereby consents, upon reasonable notice under the circumstances presented, to entry upon the Site (or areas in the vicinity of the Site which may be under the control of Respondent) by any duly designated officer or employee of the Department or any State agency having jurisdiction with respect to matters addressed pursuant to this Order, and by any agent, consultant, contractor, or other person so authorized by the Commissioner, all of whom shall abide by the health and safety rules in effect for the Site, for (i) inspecting, sampling, and copying records related to the contamination at the Site; (ii) implementing this Order; and (iii) testing and any other activities necessary to ensure Respondent's compliance with this Order.



Upon request, Respondent shall (i) provide the Department with suitable office space at the Site, including access to a telephone, to the extent available; and (ii) permit the Department full access to all non-privileged records relating to matters addressed by this Order. Raw data is not considered privileged and that portion of any privileged document containing raw data must be provided to the Department.

B. The Department shall have the right to take its own samples and scientific measurements and the Department and Respondent shall have the right to obtain split samples, duplicate samples, or both, of all substances and materials sampled. The Department shall make the results of all sampling and scientific measurements taken under this Subparagraph available to Respondent.

VI. Payment of State Costs

A. Within forty-five (45) Days after receipt of an itemized invoice from the Department, Respondent shall pay to the Department a sum of money which shall represent reimbursement for State Costs for negotiating this Order and reimbursement for State Costs for work performed at or in connection with the Site pursuant to this Order from the effective date hereof through and including the Termination Date.

B. Personal service costs shall be documented by reports of Direct Personal Service, which shall identify the employee name, title, biweekly salary, and time spent (in hours) on the project during the billing period, as identified by an assigned time and activity code. Approved agency fringe benefit and indirect cost rates shall be applied. Non-personal service costs shall be summarized by category of expense (e.g., supplies, materials, travel, contractual) and shall be documented by expenditure reports. The Department shall not be required to provide any other documentation of costs, provided however, that the Department's records shall be available consistent with, and in accordance with, Article 6 of the Public Officers Law.

C. Such invoice shall be sent to Respondent at the following address:

John Morris, P.E.  
Remediation Portfolio Manager  
Honeywell International, Inc.  
Columbia Road & Park Avenue  
P.O. Box 2245R  
Morristown, NJ 07960-2245

Christopher Burns, Ph.D.  
Clough Harbour & Associates  
441 South Salina Street  
Syracuse, NY 13202

with a copy to:

David P. Flynn, Esq.  
Phillips Lytle LLP  
3400 HSBC Center  
Buffalo, NY 14203

D. Each such payment shall be made payable to the Department of Environmental Conservation and shall be sent to:

Bureau of Program Management  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, NY 12233-7010.

E. Each party shall provide written notification to the other within ninety (90) Days of any change in the foregoing addresses.

F. Respondent may contest, in writing, invoiced costs under Subparagraph VI.B if it believes that (i) the cost documentation contains clerical, mathematical, or accounting errors; (ii) the costs are not related to the State's activities with respect to the Remedial Program for the Site; or (iii) the Department is not otherwise legally entitled to such costs. If Respondent objects to an invoiced cost, Respondent shall pay all costs not objected to within the time frame set forth in Subparagraph VI.B and shall, within thirty (30) Days after its receipt of an invoice, identify, in writing, all costs objected to and the basis of the objection. This objection shall be filed with the BPM Director. The BPM Director or the BPM Director's designee shall have the authority to relieve Respondent of the obligation to pay invalid costs. Within forty-five (45) Days after the date of the Department's determination of the objection, Respondent shall either pay to the Department the amount which the BPM Director or the BPM Director's designee determines Respondent is obligated to pay or commence an action or proceeding seeking appropriate judicial relief.

G. In the event any instrument for the payment of any money due under this Order fails of collection, such failure of collection shall constitute a violation of this Order, provided that (i) the Department gives Respondent written notice of such failure of collection, and (ii) the Department does not receive from Respondent a certified check or bank check in the amount of the uncollected funds within fourteen (14) Days after the date of the Department's written notification.

## VII. Reservation of Rights

A. Except as otherwise provided in this Order, nothing contained in this Order shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the

Department's rights or authorities, including, but not limited to, the right to require performance of further investigations and/or response action(s), to recover natural resource damages, and/or to exercise any summary abatement powers with respect to any person, including Respondent.

B. Except as otherwise provided in this Order, Respondent specifically reserves all rights and defenses under applicable law respecting any Departmental assertion of remedial liability against Respondent, and further reserves all rights respecting the enforcement of this Order, including the rights to notice, to be heard, to appeal, and to any other due process. The existence of this Order or Respondent's compliance with it shall not be construed as an admission of liability, fault, wrongdoing, or breach of standard of care by Respondent, and shall not give rise to any presumption of law or finding of fact, or create any rights, or grant any cause of action, which shall inure to the benefit of any third party. Further, Respondent reserves such rights as it may have to seek and obtain contribution, indemnification, and/or any other form of recovery from its insurers and from other potentially responsible parties or their insurers for past or future response and/or cleanup costs or such other costs or damages arising from the contamination at the Site as may be provided by law.

#### VIII. Indemnification

Respondent shall indemnify and hold the Department, the State of New York, and their representatives and employees harmless for all claims, suits, actions, damages, and costs of every name and description arising out of or resulting from the fulfillment or attempted fulfillment of this Order by Respondent and/or any of Respondent's directors, officers, employees, servants, agents, successors, and assigns except for liability arising from (i) vehicular accidents occurring during travel to or from the Site; or (ii) willful, wanton, or malicious acts or omissions, and acts or omissions constituting gross negligence or criminal behavior by the Department, the State of New York, and/or their representatives and employees during the course of any activities conducted pursuant to this Order. The Department shall provide Respondent with written notice no less than thirty (30) Days prior to commencing a lawsuit seeking indemnification pursuant to this Paragraph.

#### IX. Public Notice

A. Within thirty (30) Days after the effective date of this Order, Respondent shall cause to be filed a Department-approved Notice of Order, which Notice shall be substantially similar to the Notice of Order attached to this Order as Exhibit "D," with the Clerk of the County wherein the Site is located (or the City Register if the property is located in New York, Bronx, Kings, or Queens County) to give all parties who may acquire any interest in the Site notice of this Order. Within thirty (30) Days of such filing (or such longer period of time as may be required to obtain a certified copy, provided Respondent advises the Department of the status of its efforts to obtain same within such thirty (30) Days), Respondent shall also provide the Department with a copy of such instrument certified by such County Clerk (or the City Register) to be a true and faithful copy.

B. If Respondent proposes to convey the whole or any part of Respondent's ownership interest in the Site, or becomes aware of such conveyance, Respondent shall, not fewer than forty-five (45) Days before the date of conveyance, or within forty-five (45) Days after becoming aware of such conveyance, notify the Department in writing of the identity of the transferee and of the nature and proposed or actual date of the conveyance, and shall notify the transferee in writing, with a copy to the Department, of the applicability of this Order. However, such obligation shall not extend to a conveyance by means of a corporate reorganization or merger or the granting of any rights under any mortgage, deed, trust, assignment, judgment, lien, pledge, security agreement, lease, or any other right accruing to a person not affiliated with Respondent to secure the repayment of money or the performance of a duty or obligation.

X. Declaration of Covenants and Restrictions

A. 1. If a Department-approved Scope of Work, Work Plan or the ROD for the Site, if any, relies upon one or more institutional controls, Respondent shall, within thirty (30) Days after the Department's approval of such Work Plan or within ninety (90) Days after issuance of the ROD, whichever is earlier, submit to the Department for approval a Declaration of Covenants and Restrictions to run with the land which provides for covenants and restrictions consistent with the Scope of Work, Work Plan or the ROD. This submittal shall be substantially similar to Exhibit "E." Respondent shall cause such instrument to be recorded with the Clerk of the County (or the City Register) wherein the Site is located within thirty (30) Days of the Department's approval of such instrument. Respondent shall provide the Department with a copy of such instrument certified by such County Clerk (or the City Register) to be a true and faithful copy within thirty (30) Days after such recording (or such longer period of time as may be required to obtain a certified copy, provided Respondent advises the Department of the status of its efforts to obtain same within such thirty (30) Day period).

2. Respondent may petition the Department to modify or terminate the Declaration of Covenants and Restrictions filed pursuant to Subparagraph X.A.1 at such time as it can certify that reliance upon such covenants and restrictions is no longer required to meet the goals of the Remedial Program. Such certification shall be made by a Professional Engineer. The Department shall not unreasonably withhold its consent to such petition.

B. If the ROD provides for "no action" other than implementation of one or more institutional controls, the Department shall request Respondent to cause same to be recorded under the provisions of Subparagraph X.A.1. If Respondent does not cause such institutional control(s) to be recorded, Respondent cannot obtain a release and covenant not to sue pursuant to Subparagraph II.G.

XI. Communications

A. All written communications required by this Order shall be transmitted by United States Postal Service, by private courier service, or hand delivered as follows:

1. Communication from Respondent shall be sent to:

Martin Doster, PE  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
270 Michigan Avenue  
Buffalo, New York 14203

Note: four copies (one unbound) of work plans are required to be sent.

with copies to:

Gary Litwin  
Bureau of Environmental Exposure Investigation  
New York State Department of Health  
Flanigan Square  
547 River Street  
Troy, New York 12180-2216  
Note: two copies of work plans are required to be sent, and

Edward Belmore  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7017

Abby M. Snyder, Esq.  
Division of Legal Affairs  
New York State Department of Environmental Conservation  
270 Michigan Avenue  
Buffalo, New York 14203

2. Communication to be made from the Department to Respondent shall be sent to:

John Morris, P.E.  
Remediation Portfolio Manager  
Honeywell International, Inc.  
Columbia Road & Park Avenue  
P.O. Box 2245R  
Morristown, NJ 07960-2245

Christopher Burns, Ph.D.  
Clough Harbour & Associates  
441 South Salina Street  
Syracuse, NY 13202

with a copy to:  
David P. Flynn, Esq.  
Phillips Lytle LLP  
3400 HSBC Center  
Buffalo, NY 14203

B. The Department and Respondent reserve the right to designate additional or different addressees for communication upon written notice to the other.

C. Each party shall notify the other within ninety (90) Days after any change in the addresses in this Paragraph XI or in Paragraph VI.

## XII. Dispute Resolution

A. If Respondent disagrees with the Department's notice under (i) Subparagraph II.B requesting other, additional, or supplemental Work Plans; (ii) Subparagraph II.C requesting modification of a Department-approved Work Plan; (iii) Subparagraph II.E disapproving a submittal, a proposed Work Plan, or a final report; (iv) Subparagraph II.G finding that Respondent materially failed to comply with the Order; (v) Subparagraph IV.B rejecting Respondent's assertion of a Force Majeure Event; or (vi) Subparagraph XIV.H.2.iii requesting modification of a time frame, Respondent may, within thirty (30) Days of its receipt of such notice, request, in writing, informal negotiations with the Department in an effort to resolve the dispute. A copy of such request shall be sent by Respondent to the appropriate Remedial Bureau Chief in the Department's Central Office. The Department and Respondent shall consult together in good faith and exercise best efforts to resolve any differences or disputes without resort to the procedures described in Subparagraph XII.B. The period for informal negotiations shall not exceed thirty (30) Days from Respondent's request for informal negotiations. If the parties cannot resolve a dispute by informal negotiations during this period, the Department's position shall be considered binding unless Respondent notifies the Department in writing within thirty (30) Days after the conclusion of the thirty (30) Day period for informal negotiations that it invokes the dispute resolution provisions provided under Subparagraph XII.B.

B. 1. Respondent shall file with the OH&M a request for formal dispute resolution and a written statement of the issues in dispute, the relevant facts upon which the dispute is based, factual data, analysis, or opinion supporting its position, and all supporting documentation upon which Respondent relies (hereinafter called the "Statement of Position"). A copy of such request and written statement shall be provided contemporaneously to the Director and to the parties listed under Subparagraph XI.A.1.

2. The Department shall serve its Statement of Position no later than twenty (20) Days after receipt of Respondent's Statement of Position.

3. Respondent shall have the burden of proving by substantial evidence that the Department's position does not have a rational basis and should not prevail. The OH&M can conduct meetings, in person or via telephone conferences, and request additional information from either party if such activities will facilitate a resolution of the issues.

4. The OH&M shall prepare and submit a report and recommendation to the Director. The Director shall issue a final decision resolving the dispute in a timely manner. The final decision shall constitute a final agency action and Respondent shall have the right to seek judicial review of the decision pursuant to Article 78 of the CPLR provided that Respondent notifies the Department within thirty (30) Days after receipt of a copy of the final decision of its intent to commence an Article 78 proceeding and commences such proceeding within sixty (60) Days after receipt of a copy of the Director's final decision. Respondent shall be in violation of this Order if it fails to comply with the final decision resolving this dispute within forty-five (45) Days after the date of such final decision, or such other time period as may be provided in the final decision, unless it seeks judicial review of such decision within the sixty (60) Day period provided. In the event that Respondent seeks judicial review, Respondent shall be in violation of this Order if it fails to comply with the final Court Order or settlement within thirty (30) Days after the effective date of such Order or settlement, unless otherwise directed by the Court. For purposes of this Subparagraph, a Court Order or settlement shall not be final until the time to perfect an appeal of same has expired.

5. The invocation of dispute resolution shall not extend, postpone, or modify Respondent's obligations under this Order with respect to any item not in dispute unless or until the Department agrees or a Court determines otherwise. No penalty shall accrue pursuant to Subparagraph IV.A. for matters as to which dispute resolution is invoked, provided Respondent prevails in the Dispute Resolution Proceeding. The invocation of the procedures set forth in this Paragraph XII shall constitute an election of remedies and such election shall constitute a waiver of any and all other administrative remedies which may otherwise be available to Respondent regarding the issue in dispute.

6. The Department shall keep an administrative record of any proceedings under this Paragraph XII which shall be available consistent with Article 6 of the Public Officers Law.

7. Nothing in this Paragraph XII shall be construed as an agreement by the parties to resolve disputes through administrative proceedings pursuant to the State Administrative Procedure Act, the ECL, or 6 NYCRR Part 622 or Section 375-2.1.

8. Nothing contained in this Order shall be construed to authorize Respondent to invoke dispute resolution with respect to the remedy selected by the Department

in the ROD or any element of such remedy, nor to impair any right of Respondent to seek judicial review of the Department's selection of any remedy.

### XIII. Termination of Order

A. This Order will terminate upon the earlier of the following events:

1. Respondent's election to terminate pursuant to Subparagraphs II.B.1.b or II.E.3 so long as such election is made prior to the Department's approval of Respondent's proposed RD/RA Work Plan. In the event of termination in accordance with this Subparagraph XIII.A.1, this Order shall terminate effective the 5<sup>th</sup> Day after the Department's receipt of the written notification terminating this Order or the 5<sup>th</sup> Day after the time for Respondent to make its election has expired, whichever is earlier, provided, however, that if there are one or more Work Plan(s) for which a final report has not been approved at the time of Respondent's notification of its election to terminate this Order pursuant to Subparagraphs II.B.1.b or II.E.3 or its failure to timely make such an election pursuant to Subparagraphs II.B.1.b or II.E.3, Respondent shall promptly complete the activities required by the Department-approved Scope of Work and such previously approved Work Plan(s) consistent with the schedules contained therein. Thereafter, this Order shall terminate effective the 5<sup>th</sup> Day after the Department's approval of the final report for all previously approved Work Plans; or

2. the Department's written determination that Respondent has completed all phases of the Remedial Program (including OM&M), in which event the termination shall be effective on the 5<sup>th</sup> Day after the Department issues its approval of the final report relating to the final phase of the Remedial Program.

B. Notwithstanding the foregoing, the provisions contained in Paragraphs VI and VIII shall survive the termination of this Order and any violation of such surviving Paragraphs shall be a violation of this Order, the ECL, and 6 NYCRR Section 375-1.2(d), subjecting Respondent to penalties as provided under Paragraph IV so long as such obligations accrued on or prior to the Termination Date.

C. If the Order is terminated pursuant to Subparagraph XIII.A.1, neither this Order nor its termination shall affect any liability of Respondent for remediation of the Site and/or for payment of State Costs, including implementation of removal and remedial actions, interest, enforcement, and any and all other response costs as defined under CERCLA. Respondent shall also ensure that it does not leave the Site in a condition, from the perspective of human health and environmental protection, worse than that which prevailed before any activities under this Order were commenced. Further, the Department's efforts in obtaining this Order and requesting additional Work Plan(s) shall constitute "reasonable efforts" under law to obtain a voluntary commitment from Respondent for any further activities to be undertaken as part of an Inactive Hazardous Waste Disposal Site Remedial Program for the Site.

### XIV. Miscellaneous



A. The activities and submittals under this Order shall address both on-Site and off-Site contamination resulting from the disposal of hazardous wastes at the Site.

B. Respondent shall retain professional consultants, contractors, laboratories, quality assurance/quality control personnel, and third party data validators ("Respondent's Contractors") acceptable to the Department to perform the technical, engineering, and analytical obligations required by this Order. To the extent that the Department has not previously approved Respondent's Contractors for the work contemplated by this Order, Respondent shall submit the experience, capabilities, and qualifications of Respondent's Contractors to the Department within ten (10) Days after the effective date of this Order or at least thirty (30) Days before the start of any activities for which Respondent and such firms or individuals will be responsible. The Department's approval of these firms or individuals shall be obtained prior to the start of any activities for which such firms or individuals will be responsible. The responsibility for the performance of the professionals retained by Respondent shall rest solely with Respondent. Subject to the requirements of this Subparagraph, Respondent retains the right to select or change firms or individuals in its sole discretion.

C. Respondent shall allow the Department to attend and shall notify the Department at least seven (7) Days in advance of any field activities as well as any pre-bid meetings, job progress meetings, the substantial completion meeting and inspection, and the final inspection and meeting; nothing in this Order shall be construed to require Respondent to allow the Department to attend portions of meetings where privileged matters are discussed.

D. Respondent shall use "best efforts" to obtain all Site access, permits, easements, rights-of-way, rights-of-entry, approvals, institutional controls, or authorizations necessary to perform Respondent's obligations under this Order, except that the Department may exempt Respondent from the requirement to obtain any permit issued by the Department for any activity that is conducted on the Site and that the Department determines satisfies all substantive technical requirements applicable to like activity conducted pursuant to a permit. If, despite Respondent's best efforts, any necessary Site access, permits, easements, rights-of-way, rights-of-entry, approvals, institutional controls, or authorizations required to perform this Order are not obtained within forty-five (45) Days after the effective date of this Order, or within forty-five (45) Days after the date the Department notifies Respondent in writing that additional access beyond that previously secured is necessary, Respondent shall promptly notify the Department, and shall include in that notification a summary of the steps Respondent has taken to obtain access. The Department may, as it deems appropriate and within its authority, assist Respondent in obtaining access. If any interest in property is needed to implement an institutional control required by a Work Plan and such interest cannot be obtained, the Department may require Respondent to modify the Work Plan pursuant to Subparagraph II.C of this Order to reflect changes necessitated by the lack of access and/or approvals.

E. Respondent and Respondent's successors and assigns shall be bound by this Order. Any change in ownership or corporate status of Respondent including, but not limited to,

any transfer of assets or real or personal property, shall in no way alter Respondent's responsibilities under this Order.

F. Respondent shall provide a copy of this Order to each contractor hired to perform work required by this Order and shall condition all contracts entered into pursuant to this Order upon performance in conformity with the terms of this Order. Respondent or its contractor(s) shall provide written notice of this Order to all subcontractors hired to perform any portion of the work required by this Order. Respondent shall nonetheless be responsible for ensuring that Respondent's contractors and subcontractors perform the work in satisfaction of the requirements of this Order.

G. The paragraph headings set forth in this Order are included for convenience of reference only and shall be disregarded in the construction and interpretation of any provisions of this Order.

H. 1. The terms of this Order shall constitute the complete and entire agreement between the Department and Respondent concerning implementation of the activities required by this Order. No term, condition, understanding, or agreement purporting to modify or vary any term of this Order shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestion, or comment by the Department shall be construed as relieving Respondent of Respondent's obligation to obtain such formal approvals as may be required by this Order. In the event of a conflict between the terms of this Order and the Department-approved Scope of Work or any Work Plan submitted pursuant to this Order, the terms of this Order shall control over the terms of the Scope of Work and Work Plan(s) attached as Exhibit "B."

2. i. Except as set forth herein, if Respondent desires that any provision of this Order be changed, other than a provision of a Work Plan or a time frame, Respondent shall make timely written application to the Commissioner with copies to the parties listed in Subparagraph XI.A.1. The Commissioner or the Commissioner's designee shall timely respond.

ii. Changes to the Department-approved Scope of Work and a Work Plan shall be accomplished as set forth in Subparagraph II.C of this Order.

iii. Changes to a time frame set forth in this Order shall be accomplished by a written request to the Department's project attorney and project manager, which request shall be timely responded to in writing. The Department's decision relative to the request for a time frame change shall be subject to dispute resolution pursuant to Paragraph XII.

I. 1. If there are multiple parties signing this Order, the term "Respondent" shall be read in the plural where required to give meaning to this Order. Further, the obligations of Respondents under this Order are joint and several and the insolvency of or failure by any Respondent to implement any obligations under this Order shall not affect the obligations of the remaining Respondent(s) to carry out the obligations under this Order.

2. If Respondent is a partnership, the obligations of all general partners, including limited partners who act as general partners, to finance and perform obligations under this Order and to pay amounts owed to the Department under this Order are joint and several. In the event of the insolvency of or the failure of any of the general partners to implement the requirements of this Order, the remaining general partners shall complete all such requirements.

3. Notwithstanding the foregoing Subparagraphs XIV.I.1 and 2, if multiple parties sign this Order as Respondents but not all of the signing parties elect, pursuant to Subparagraph II.B, to implement a Work Plan, then all Respondents are jointly and severally liable for each and every obligation under this Order through the completion of the activities in such Work Plan that all such parties consented to; thereafter, only those Respondents electing to perform additional work shall be jointly and severally liable under this Order for the obligations and activities under such additional Work Plan(s). The parties electing not to implement the additional Work Plan(s) shall have no obligations under this Order relative to the activities set forth in such Work Plan(s). Further, only those Respondents electing to implement such additional Work Plan(s) shall be eligible to receive the release and covenant not to sue provided under Subparagraph II.G.

J. To the extent authorized under 42 U.S.C. Section 9613, New York General Obligations Law § 15-108, and any other applicable law, Respondent shall be deemed to have resolved its liability to the State for purposes of contribution protection provided by CERCLA Section 113(f)(2) for "matters addressed" pursuant to and in accordance with this Order. "Matters addressed" in this Order shall mean all response actions taken by Respondent to implement this Order for the Site and all response costs incurred and to be incurred by any person or party in connection with the work performed under this Order, which costs have been paid by Respondent, including reimbursement of State Costs pursuant to this Order. Furthermore, to the extent authorized under 42 U.S.C. Section 9613(f)(3)(B), by entering into this administrative settlement of liability, if any, for some or all of the response action and/or for some or all of the costs of such action, Respondent is entitled to seek contribution from any person except those who are entitled to contribution protection under 42 U.S.C. Section 9613(f)(2).

K. All activities undertaken by Respondent pursuant to this Order shall be performed in accordance with the requirements of all applicable Federal and State laws, regulations, and guidance documents.

L. Unless otherwise expressly provided herein, terms used in this Order which are defined in ECL Article 27, Title 13 or in regulations promulgated under such statute shall have the meaning assigned to them under said statute or regulations. Whenever terms listed in the Glossary attached hereto are used in this Order or in the attached Exhibits, the definitions set forth in the Glossary shall apply. In the event of a conflict, the definition set forth in the Glossary shall control.

M. Respondent's obligations under this Order represent payment for or reimbursement of response costs, and shall not be deemed to constitute any type of fine or penalty.

N. This Order may be executed for the convenience of the parties hereto, individually or in combination, in one or more counterparts, each of which for all purposes shall be deemed to have the status of an executed original and all of which shall together constitute one and the same.

O. Respondent shall not be considered an owner or operator for purposes of ECL §71-2727.3.a by virtue of having executed and/or implemented this Order.

P. The effective date of this Order is the 10<sup>th</sup> Day after the date the Commissioner or the Commissioner's designee signs this Order.

MAR 25 2005

DATED: Albany, NY

DENISE M. SHEEHAN  
Acting Commissioner  
New York State Department  
of Environmental Conservation

By: 

Dale A. Desnoyers  
Division Director  
Division of Environmental Remediation

EDMS # 84302

CONSENT BY RESPONDENT

Respondent hereby consents to the issuing and entering of this Order, waives Respondent's right to a hearing herein as provided by law, and agrees to be bound by this Order.

By: David L. Wickerson

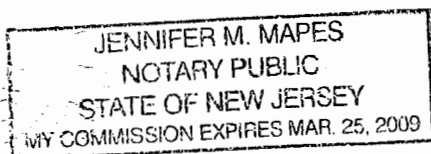
Title: Director, R.E.S.

Date: 1-31-2005

NEW JERSEY  
STATE OF ~~NEW YORK~~ )  
 ) s.s.:  
COUNTY OF MORRIS )

On the 31<sup>st</sup> day of January in the year 2005, before me, the undersigned, personally appeared David L. Wickerson, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Jennifer M. Mapes  
Signature and Office of individual  
taking acknowledgment



**EXHIBIT "A"**

**Map of Site**

**EXHIBIT "B"**

**Department-Approved Scope of Work/Work Plan(s)**

## EXHIBIT "D"

### NOTICE OF ORDER

Honeywell International, Inc. ("Respondent") has entered into an Order On Consent (Index # \_\_\_\_\_) (the "Order") with the New York State Department of Environmental Conservation (the "Department") relative to an Inactive Hazardous Waste Disposal Site under Article 27, Title 13, and Article 71, Title 27 of the Environmental Conservation Law of the State of New York ("ECL") for the properties located at 100 Lee Street, Buffalo, New York (the "Site").

The Site is the site of the facility commonly known as Buffalo Color Corporation. A map delineating the Site is attached hereto as Appendix "A".

The purpose of the Order is to address the environmental conditions at or migrating from the Site. The effective date of the Order was \_\_\_\_\_. A copy of the Order, as well as the Department-approved Scope of Work and any and all Department-approved Work Plans under this Order can be reviewed at the Department's Region Nine offices located at 270 Michigan Avenue, Buffalo, New York by contacting Martin Doster.

This Notice of Order is being filed with the Erie County Clerk (or City Register) in accordance with Paragraph IX of the Order to give all parties who may acquire any interest in the Site notice of this Order.

**WHEREFORE**, the undersigned has signed this Notice of Order in compliance with the terms of the Order.

\_\_\_\_\_  
Respondent

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



STATE OF NEW YORK

) ss.:

COUNTY OF \_\_\_\_\_

On the \_\_\_\_\_ day of \_\_\_\_\_ in the year 2004 before me, the undersigned, a notary public in and for said State, personally appeared \_\_\_\_\_ personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed this instrument.

\_\_\_\_\_  
Notary Public

**Appendix "A"**

**(to Exhibit "D")**

**Map of the Property**

Exhibit "E"

DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT, made the \_\_\_ day of \_\_\_\_\_ 2004, by \_\_\_\_\_, a [natural person residing at \_\_\_\_\_ / partnership organized and existing under the laws of the State of \_\_\_\_\_ and having an office for the transaction of business at \_\_\_\_\_] and having an office for the transaction of business at \_\_\_\_\_:

WHEREAS, \_\_\_\_\_ is the owner of an inactive hazardous waste disposal site which is listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State as Site Number \_\_\_\_\_, located on \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_, County of \_\_\_\_\_, State of New York, which is part of lands conveyed by \_\_\_\_\_ to \_\_\_\_\_ by deed dated \_\_\_\_\_ and recorded in the \_\_\_\_\_ County Clerk's Office on \_\_\_\_\_ in Book \_\_\_\_\_ of Deeds at Page \_\_\_\_\_ and being more particularly described in Appendix "A," attached to this declaration and made a part hereof, and hereinafter referred to as "the Property"; and

WHEREAS, the Property is the subject of a consent order issued by the New York State Department of Environmental Conservation to Honeywell International, Inc.

NOW, THEREFORE, \_\_\_\_\_, for itself and its successors and/or assigns, covenants that:

First, the Property subject to this Declaration of Covenants and Restrictions is as shown on a map attached to this declaration as Appendix "B" and made a part hereof, and consists of [insert metes and bounds description]

Second, unless prior written approval by the New York State Department of Environmental Conservation or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, no person shall engage in any activity that will, or that reasonably is anticipated to, prevent or interfere significantly with any proposed, ongoing or completed program at the Property or that will, or is reasonably foreseeable to, expose the public health or the environment to a significantly increased threat of harm or damage.

Third, the owner of the Property shall prohibit the Property from ever being used for purposes other than for industrial or commercial uses without the express written waiver of such prohibition by the Relevant Agency.

Fourth, the owner of the Property shall prohibit the use of the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Relevant Agency.

Fifth, the owner of the Property shall continue in full force and effect any institutional and engineering controls the Department required Respondent to put into place and maintain unless the owner first obtains permission to discontinue such controls from the Relevant Agency.

Sixth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property and shall provide that the owner, and its successors and assigns, consents to the enforcement by the Relevant Agency of the prohibitions and restrictions that Paragraph X of the Order requires to be recorded, and hereby covenants not to contest the authority of the Department to seek enforcement.

Seventh, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

**IN WITNESS WHEREOF**, the undersigned has executed this instrument the day written below.

[acknowledgment]

**Exhibit "F"**  
**Records Search Report**

1. Detail all environmental data and information within Respondent's or Respondent's agents' or consultants' possession or control regarding environmental conditions at or emanating from the Site.

2. A comprehensive list of all existing relevant reports with titles, authors, and subject matter, as well as a description of the results of all previous investigations of the Site and of areas immediately surrounding the Site which are or might be affected by contamination at the Site, including all available topographic and property surveys, engineering studies, and aerial photographs.

3. A concise summary of information held by Respondent and Respondent's attorneys and consultants with respect to:

(i) a history and description of the Site, including the nature of operations;

(ii) the types, quantities, physical state, locations, methods, and dates of disposal or release of hazardous waste at or emanating from the Site;

(iii) a description of current Site security (i.e. fencing, posting, etc.);  
and

(iv) the names and addresses of all persons responsible for disposal of hazardous waste, including the dates of such disposal and any proof linking each such person responsible with the hazardous wastes identified.

**Exhibit "G"**  
**SC Work Plan Requirements**

The SC Work Plan shall include but not be limited to:

1. A chronological description of the anticipated SC activities together with a schedule for the performance of these activities.
2. A Sampling and Analysis Plan that shall include:
  - (i) A quality assurance project plan that describes the quality assurance and quality control protocols necessary to achieve the initial data quality objectives. This plan shall designate a data validation expert and must describe such individual's qualifications and experience;
  - (ii) A field sampling plan that defines sampling and data gathering methods in a manner consistent with the "Field Methods Compendium," OSWER Directive 9285.2-11 (draft June 1993), as supplemented by the Department; and
  - (iii) A health and safety plan to protect persons at and in the vicinity of the Site during the performance of the SC which shall be prepared in accordance with 29 CFR 1910 and all other applicable standards by a certified health and safety professional. Respondent shall add supplemental items to this plan necessary to ensure the health and safety of all persons at or in the vicinity of the Site during the performance of any work pursuant to this Order.
3. The Work Plan shall incorporate all elements of an SC as set forth in Department technical and administrative guidance documents including, but not limited to, investigations of surface and subsurface soils, surface waters, ground water, and air.
4. The SC must be sufficiently comprehensive to allow the Department to determine whether a consequential amount of hazardous waste has been disposed at the Site and, if so, whether the contamination presents a significant threat to public health and/or the environment.

**Exhibit "H"**  
**RI/FS Work Plan Requirements**

The Investigation Work Plan shall include but not be limited to:

1. A chronological description of the anticipated RI/FS activities together with a schedule for the performance of these activities.
2. A Sampling and Analysis Plan that shall include:
  - (i) A quality assurance project plan that describes the quality assurance and quality control protocols necessary to achieve the initial data quality objectives. This plan shall designate a data validation expert and must describe such individual's qualifications and experience;
  - (ii) A field sampling plan that defines sampling and data gathering methods in a manner consistent with the "Field Methods Compendium," OSWER Directive 9285.2-11 (draft June 1993), as supplemented by the Department;
  - (iii) A health and safety plan to protect persons at and in the vicinity of the Site during the performance of the RI/FS which shall be prepared in accordance with 29 CFR 1910 and all other applicable standards by a certified health and safety professional. Respondent shall add supplemental items to this plan necessary to ensure the health and safety of all persons at or in the vicinity of the Site during the performance of any work pursuant to this Order; and
  - (iv) A citizen participation plan that is, at a minimum, consistent with the Department's publication "Citizen Participation in New York's Hazardous Waste Site Remediation Program: A Guidebook," dated June 1998, any subsequent revisions thereto, and 6 NYCRR Part 375.
3. The Work Plan shall incorporate all elements of an RI/FS as set forth in CERCLA, as amended, the NCP, the USEPA guidance document entitled "Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA," dated October 1988, and any subsequent revisions thereto in effect at the time the RI/FS Work Plan is submitted, and appropriate USEPA and Department technical and administrative guidance documents.
4. The Work Plan shall provide for an FS evaluating on-Site and off-Site remedial actions to restore the Site to pre-disposal conditions, to the extent feasible and authorized by law. At a minimum, alternatives shall evaluate the elimination or mitigation of all significant threats to the public health and to the environment presented by hazardous waste disposed at the Site through the proper application of scientific and engineering principals.

## EXHIBIT "I"

### IRM Work Plan Requirements

The IRM Work Plan shall include, at a minimum, the following:

1. a summary of the data supporting the extent of the proposed IRM;
2. a chronological description of the anticipated IRM activities;
3. a schedule for performance of the IRM activities;
4. detailed documents and/or specifications prepared, signed, and sealed by a Professional Engineer providing sufficient detail to implement the Department-approved IRM, including, as appropriate, a description of soil and sediment erosion control, storm water management and monitoring, and dust, odor, and organic vapor control and monitoring procedures to be implemented during remedial activities, and a detailed description of confirmation sampling and site restoration plans;
5. a health and safety plan, including a community air monitoring plan;
6. a contingency plan, including a description of procedures for dismantling and removing remedial structures and equipment from the Site, if applicable;
7. a citizen participation plan, if required, that incorporates appropriate activities outlined in the Department's publication "Citizen Participation in New York's Hazardous Waste Site Remediation Program: A Guidebook," dated June 1998, any subsequent revisions thereto, and 6 NYCRR Part 375;
8. an OM&M Plan, if the performance of the Department-approved IRM results in a treatment system which is expected to operate for greater than 18 months. If the system will not operate for greater than 18 months, or if only monitoring is required, only a monitoring plan will be needed; and
9. a description of institutional controls to be implemented as well as written approval from the owner of the affected property if the remedy selected requires implementation of an institutional control at an off-Site location or if the person responsible for the remedy is not the Site owner.



## **Exhibit "J"**

### **Remediation Work Plan Requirements**

The Remediation ("RD/RA") Work Plan shall include the following:

1. A detailed description of the remedial objectives and the means by which each element of the selected remedial alternative will be implemented to achieve those objectives, including, but not limited to:
  - (i) the construction and operation of any structures;
  - (ii) the collection, destruction, treatment, and/or disposal of hazardous wastes and substances and their constituents and degradation products, and of any soil or other materials contaminated thereby;
  - (iii) the collection, destruction, treatment, and/or disposal of contaminated groundwater, leachate, and air;
  - (iv) physical security and posting of the Site;
  - (v) quality control and quality assurance procedures and protocols to be applied during implementation of the Remedial Construction; and
  - (vi) monitoring which integrates needs which are present on-Site and off-Site during implementation of the Department-selected remedial alternative.
2. "Biddable Quality" documents for the Remedial Design including, but not limited to, documents and specifications prepared, signed, and sealed by a Professional Engineer. These plans shall satisfy all applicable local, state, and federal laws, rules, and regulations;
3. A time schedule to implement the Remedial Design;
4. The parameters, conditions, procedures, and protocols to determine the effectiveness of the Remedial Design, including a schedule for periodic sampling of all media of concern, including groundwater monitoring wells on-Site and off-Site;
5. A description of operation, maintenance, and monitoring activities to be undertaken after the Department has approved construction of the Remedial Design, including the number of years during which such activities will be performed (where appropriate) and a specific description of the criteria to be used to decide when operation of such activities may be discontinued.

6. A contingency plan to be implemented if any element of the Remedial Design fails to achieve any of its objectives or otherwise fails to protect human health or the environment;

7. A health and safety plan for the protection of persons at and in the vicinity of the Site during and after construction. This plan shall be prepared in accordance with 29 CFR 1910 by a certified health and safety professional; and

8. A citizen participation plan which incorporates appropriate activities outlined in the Department's publication "Citizen Participation in New York's Hazardous Waste Site Remediation Program: A Guidebook," dated June 1998, any subsequent revisions thereto, and 6 NYCRR Part 375.

## Exhibit "K"

### OM&M Work Plan Requirements

The OM&M Work Plan shall provide for:

1. Operation and maintenance of engineering controls and/or treatment systems;
2. Maintenance of institutional controls, where applicable;
3. Yearly certification by a Professional Engineer of the continued effectiveness of any institutional and/or engineering controls, where applicable. The certification must identify the required controls and evaluate whether the controls should remain in place and effective for the protection of public health and/or the environment;
4. A monitoring plan which describes the measures for monitoring the performance and effectiveness of the remedy at the Site;
5. A contingency plan which describes procedures which may be required to protect and/or maintain the operation of the remedy in the event of an emergency, such as a fire, spill, tank or drum overflow or rupture, severe weather, or vandalism;
6. A health and safety plan and a list of records and references;
7. Monitoring and reporting of the performance and effectiveness of the remedy, both short and long-term, by:
  - (i) Assessing compliance with actual or equivalent discharge permit limits;
  - (ii) Assessing achievement of the remedial performance criteria; and,
  - (iii) Sampling and analysis of appropriate media.
8. A determination that the remedy is complete by demonstrating that the remedial action objectives have been achieved.

**Exhibit "L"**

**Record of Decision**

## Glossary of Terms

The following terms shall have the following meanings:

"BPM Director": the Director of the Bureau of Program Management within the Division of Environmental Remediation.

"CERCLA": the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq.

"Day": a calendar day. In computing any period of time under this Order, where the last day would fall on a Saturday, Sunday or State holiday, the period shall run until the close of business of the next working day.

"Department": the New York State Department of Environmental Conservation.

"Director": the Regional Director, Region 9.

"ECL": the Environmental Conservation Law, Chapter 43-B of the Consolidated Laws of New York, as amended.

"Feasibility study": a study undertaken to develop and evaluate options for remedial action. The feasibility study emphasizes data analysis and is generally performed concurrently and in an interactive fashion with the remedial investigation, using data gathered during the remedial investigation. The term also refers to a report that describes the results of the study. (See 6 NYCRR 375-1.3(j))

"Force Majeure Event": an event which is brought on as a result of fire, lightning, earthquake, flood, adverse weather conditions, strike, shortages of labor and materials, war, riot, obstruction or interference by adjoining landowners, or any other fact or circumstance beyond Respondent's reasonable control.

"Inactive Hazardous Waste Disposal Site Remedial Program" or "Remedial Program": activities undertaken to eliminate, remove, abate, control, or monitor existing health hazards, existing environmental hazards, potential health hazards, and/or potential environmental hazards in connection with the Site and all activities to manage wastes and contaminated materials at or removed from the Site. (See ECL 27-1301(3) and 6 NYCRR 375-1.3(m))

"Interim Remedial Measure" or "IRM": a discrete set of activities, including removal activities, to address both emergency and non-emergency Site conditions, which can be undertaken without extensive investigation or evaluation, to prevent, mitigate, or remedy environmental damage or the consequences of environmental damage attributable to the Site. (See 6 NYCRR Part 375-1.3(n))

"National Contingency Plan" or "NCP": the National Oil and Hazardous Substances Pollution Contingency Plan promulgated pursuant to Section 105 of CERCLA, 42 U.S.C. 9605, and codified at 40 C.F.R. Part 300, and any amendments thereto.

"NL": the Navigation Law, Chapter 37 of the Consolidated Laws of New York, as amended.

"OH&M": the Office of Hearings and Mediation Services.

"OM&M": post-construction operation, maintenance, and monitoring; the last phase of a remedial program, which continues until the remedial action objectives for the Site are met.

"Order": this Order and all exhibits attached hereto.

"Professional Engineer": an individual registered as a professional engineer in accordance with Article 145 of the New York State Education Law. If such individual is a member of a firm, that firm must be authorized to offer professional engineering services in the State of New York in accordance with Article 145 of the New York State Education Law.

"Record of Decision" or "ROD": the document reflecting the Department's selection of a remedy relative to the Site or any Operable Unit thereof. The ROD shall be attached to and made enforceable under this Order as Exhibit "L."

"Remedial Action": those activities, except for OM&M, to be undertaken under this Order to implement the ROD.

"Remedial Investigation" or "RI": a process undertaken to determine the nature and extent of contamination. The remedial investigation emphasizes data collection and site characterization and generally is performed concurrently with the feasibility study. It includes sampling and monitoring, as necessary, and includes the gathering of sufficient information to determine the necessity for and the proposed extent of the program and to support the evaluation of proposed alternatives. (See 6 NYCRR 375-1.3(t))

"Site Characterization" or "SC": a process undertaken to allow the Department to determine whether a consequential amount of hazardous waste has been disposed at a Site and, if so, whether the contamination presents a significant threat to public health and/or the environment.

"Spill Fund": the New York State Environmental Protection and Spill Compensation Fund as established by Article 12, Part Three of the NL.

"State Costs": all the State's response expenses related to this Site, including, but not limited to, direct labor, fringe benefits, indirect costs, travel, analytical costs, and contractor costs incurred by the State of New York for negotiating, implementing, overseeing, administering, or enforcing this Order, and any other response costs as defined under CERCLA. Approved agency fringe benefit and indirect cost rates will be applied.

"Termination Date": the date that this Order is terminated pursuant to Paragraph XIII.

"USEPA": the United States Environmental Protection Agency.

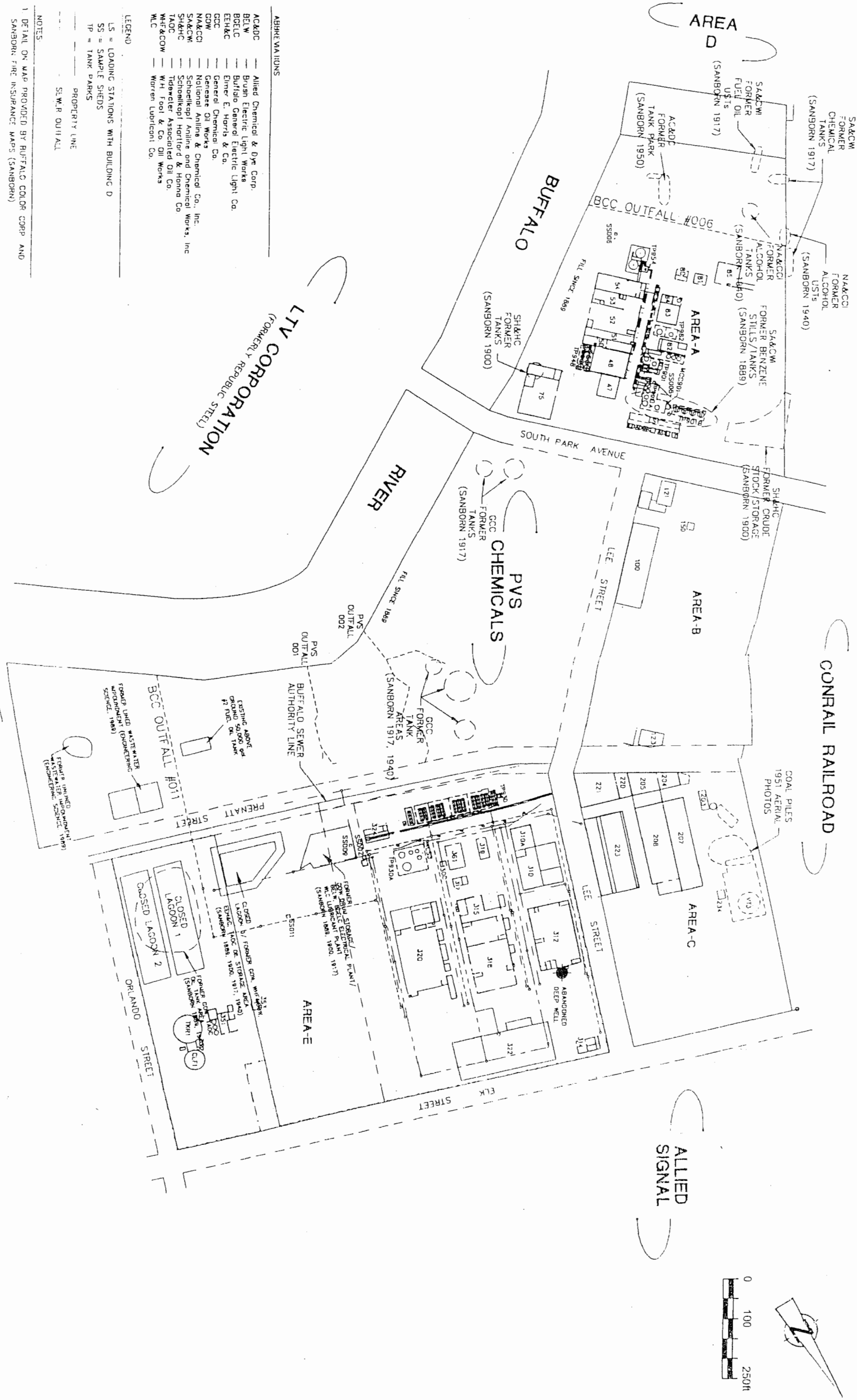


SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-8206)

31763-00(003)GN-WA002 JUL 30/2003

MOBIL OIL

figure 1.2  
SITE LAYOUT - AREA ABCE  
SCOPE OF WORK / WORK PLAN  
INTERIM CORRECTIVE MEASURE DESIGN / IMPLEMENTATION  
Buffalo Color Site, Buffalo, New York





**PROPOSED SCOPE OF WORK/WORK PLAN  
FOR INTERIM CORRECTIVE MEASURE**

**BUFFALO COLOR AREA ABCE  
BUFFALO, NEW YORK**

**Prepared for:  
Honeywell International, Inc.**

**PRINTED ON**

**AUG 05 2003**





## **PROPOSED SCOPE OF WORK/WORK PLAN FOR INTERIM CORRECTIVE MEASURE**

**BUFFALO COLOR AREA ABCE  
BUFFALO, NEW YORK**

**Prepared for:  
Honeywell International, Inc.**

**AUGUST 2003  
REF. NO. 31763 (3)**  
This report is printed on recycled paper.

**Prepared by:  
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## 1.0 INTRODUCTION

This report presents the proposed Scope of Work (SOW) and Work Plan (WP) for the design and implementation of the Interim Corrective Measures (ICM) for the Buffalo Color Site Area ABCE (Site). The remedial alternative for the Site is described in the draft Statement of Basis dated November 7, 2001. The Site is located in the City of Buffalo, New York as shown on Figure 1.1. The Site facilities are shown on Figure 1.2.

The description of the SOW and WP provided in this document are primarily derived from the following documents:

- i) Final Report on RCRA Facility Investigation, November 1997 (RFI) and addendum dated December 1998;
- ii) Report on Corrective Measures Study, January 2000 (CMS); and
- iii) Draft Statement of Basis for Buffalo Color Corporation, November 7, 2001.

The major components of the ICM selected for the Site include the following:

- i) Area A Groundwater Extraction System (Migration Control System - MCS);
- ii) Area BCE Groundwater Control;
- iii) Institutional Controls;
- iv) Groundwater Monitoring;
- v) Repair Sheet Piling Breach (Area E);
- vi) Area A Bank Erosion Control; and
- vii) Management of materials generated during implementation of the ICM.

A more detailed description of the scope of work associated with each of the ICM components is presented in Section 2.0.

## **2.0 DESCRIPTION OF THE INTERIM CORRECTIVE MEASURE**

### **2.1 INTERIM CORRECTIVE MEASURE GOALS**

- i) Control migration of contaminated groundwater to protect human health and the environment. This includes preventing the migration of contaminated groundwater to the Buffalo River.
- ii) Long-term operation of the groundwater control measures will reduce the contaminant mass, and may lead to the eventual restoration of groundwater quality in this area. The MCS shall remain in operation until such time as it is determined that residual contamination will not result in an exceedance of the groundwater quality criteria at the facility boundary, or other applicable criteria are achieved.

### **2.2 INTERIM CORRECTIVE MEASURE**

The ICM for the Site consists of the following:

- i) Area A groundwater extraction (MCS) system;
- ii) Area BCE groundwater control;
- iii) Institutional controls;
- iv) Groundwater monitoring;
- v) Repair sheet piling breach (Area E);
- vi) Area A Bank Erosion Control; and
- vii) Management of materials generated during implementation of the ICM.

This section presents a description of the individual activities associated with each of the major ICM components.

### 2.2.1 AREA A GROUNDWATER EXTRACTION SYSTEM (MCS)

This system will be constructed in the overburden, in Area A, and will be located between the Site and the Buffalo River. The system will be designed to prevent the migration of contaminated groundwater to the river and, in the long-term lead to the restoration of groundwater quality in Area A. Groundwater collected by the MCS will be directly discharged to the Buffalo Sewer Authority (BSA).

The evaluations presented in the CMS identified that five (5) groundwater extraction wells (nominal 6 inch diameter) should be sufficient to prevent the discharge of Area A groundwater to the River. The wells will be screened in the alluvium to an average depth of approximately 35 feet below ground surface (bgs) and installed along the southeastern perimeter of Area A approximately 100 feet from the Buffalo River. The five extraction wells will be equipped with submersible electric pumps and associated pumping level controls. In the CMS, a total pumping rate of 30 gpm was used. The extraction wells are to be set in subsurface vaults and connected by a forcemain for transfer of the groundwater to either:

- i) the existing BCC BSA Outfall 003 for direct discharge to the BSA sewer; or
- ii) to a new monitoring station discharge point directly discharging to the BSA Sewer System.

A layout of the Area A MSC is shown on Figure 2.1. A cross-section of the physical components of the extraction well system is shown on Figure 2.2.

#### 2.2.1.1 DESIGN OF AREA A GROUNDWATER EXTRACTION SYSTEM

The activities associated with the groundwater components are:

- i) finalize arrangements for direct discharge to the BSA;
- ii) design groundwater extraction system;
- iii) construct groundwater extraction system; and
- iv) test system performance.

## DIRECT DISCHARGE TO BSA

Discharge requirements will be reviewed with the BSA and finalized prior to discharge to the sanitary sewers.

Since the projected total flow (Area A and Area D) are likely to exceed 30 gpm, the BSA was contacted and relevant groundwater data was submitted. The BSA has indicated that the potential loadings associated with direct discharge from a groundwater extraction system at the BCC Site would be very low and not a significant factor. A modification of BCC's sewer use permit or some other formal authorization will be required from the BSA for direct discharge to the BSA, as well as concurrence from the NYSDEC Division of Water.

## DESIGN OF AREA A GROUNDWATER EXTRACTION SYSTEM

The groundwater extraction system will be designed based on the results presented in the RFI and CMS. If such results are deemed to be insufficient for the design, pumping tests of prototype groundwater extraction well(s) may be performed. Based upon the evaluation of the pumping tests, the number of groundwater extraction wells will be determined. The groundwater withdrawal system will be designed to capture and control the Area A overburden groundwater where it discharges to the river.

The extraction system design will include the number and location of extraction wells and the pumping rate for each well. The design for the extraction system will include some flexibility to adjust for conditions encountered in the field which could not be foreseen during the design. The groundwater extraction wells will be pump tested to compare actual performance to the anticipated design performance. Based on the pump testing results, the design may be altered to optimize the number and location of the required extraction wells.

Groundwater extraction termination criteria will be developed. The groundwater extraction system will continue to operate until the groundwater extraction termination criteria are achieved, or until chemical levels have ceased to decline and are remaining constant at levels that are above the agreed-upon termination criteria levels. In either case, application for approval to terminate groundwater extraction will be made to the NYSDEC.

### 2.2.2 AREA BCE GROUNDWATER CONTROL

The objective of this component is to control off-Site migration of contaminated groundwater in the upper aquifer from these plant areas, precluding it from discharging, ultimately, to the Buffalo River. It is noted that a portion of the Area B flow will be collected by the Area A system described above. The Site investigation and evaluations done as part of the RFI and CMS indicated that flow in Area BCE is presently contained due to the passive infiltration of groundwater into Plant sewers and the Buffalo Sewer Authority sewers located adjacent to these plant areas. This will in the long-term lead to the restoration of groundwater quality in Area BCE.

### 2.2.3 INSTITUTIONAL CONTROLS

Institutional controls will be established for this Site, including soils and water management procedures to be followed when conducting excavation activities at the Site.

These measures will include the following institutional controls:

- i) access is restricted to BCC employees, their subcontractors, and other authorized persons;
- ii) a chain-link fence with locking gates surrounds the Site, except for cross streets and railroad track areas;
- iii) routine maintenance of the ICM; and
- iv) health and safety rules for employees, visitors and contractors involved in ICM activities at the Site.

An excavation management plan will be developed to define procedures for limiting exposure to soil and groundwater contaminants, air monitoring requirements, dust control measures, and required personal protective equipment.

BCC will place land use restrictions on the property deed to restrict the BCC property to industrial/commercial uses so long as residual soil or groundwater contaminant concentrations require this restriction. BCC will also place a notice on the deed indicating that the Site had been used for hazardous waste management and could potentially contain residual contaminant levels. This will also include an updated property survey delineating the nature and extent of contamination.



#### 2.2.4 LONG-TERM GROUNDWATER MONITORING PROGRAM

The remedy will include a long-term groundwater monitoring program for monitoring the performance of the Area A and the Area BCE groundwater control systems. The monitoring results will be evaluated to ensure that the implemented measures attain the ICM goals. The program will include specific performance criteria (hydraulic and chemical) to ensure the contaminated groundwater is contained and effectively captured in Area A. The chemical monitoring of groundwater quality will also be used to track the restoration of the groundwater. The monitoring program will provide a means of identifying and correcting problems that may develop in the future.

Groundwater monitoring will be performed for the shallow and confined aquifers in Area ABCE. This proposed monitoring program will incorporate select BCC wells from the current Post Closure Monitoring program (former Lagoons 1, 2, 3 area), select remedial extraction wells, and new wells/piezometers in the vicinity of the Area A groundwater extraction system. The scope of the groundwater monitoring program, as described in the Draft Statement of Basis, is provided below. The existing monitoring points are shown on Figure 2.3.

Groundwater monitoring will be conducted for a period of five years after completion of construction to ensure that the ICM goals are being met. After the initial five-year period, an assessment of the groundwater monitoring program will be performed to determine the scope of the monitoring program for the next five years.

##### Shallow Aquifer

Shallow aquifer wells included in the long-term groundwater monitoring program will consist of twenty-one (21) existing wells: RFI-PZ-17, RFI-PZ-18, RFI-PZ-19, RFI-17, RFI-18, RFI-20, RFI-22, RFI-24, RFI-25, RFI-27, RFI-28, RFI-29, RFI-30, RFI-32, RFI-33, RFI-34, RFI-35, RFI-36, RFI-42, RFI-45, and RFI-51. In addition, one piezometer will also be installed in proximity to each of the extraction wells. In combination with the existing site wells, these new piezometers will be used to monitor water level elevations and performance of the extraction system. Groundwater elevations will be recorded frequently (e.g., weekly/monthly) at system startup and on a quarterly basis after the system has stabilized.

Monitoring for VOCs and SVOCs will be performed on a semi-annual basis and monitoring for metals and inorganics will be performed on an annual basis. Initial

performance testing of the Area A extraction system will require more intensive (more frequent) monitoring to evaluate its effectiveness.

### Confined Aquifer

Confined aquifer wells will consist of six (6) wells: R-01, R-04, RFI-16, RFI-19D, RFI-21D, and RFI-23D. Monitoring for site-specific VOCs, SVOCs, metals, and inorganics will be performed on a biennial (once every two years) basis. The need to continue monitoring the confined aquifer will be evaluated after the second monitoring event.

#### **2.2.5      REPAIR SHEET PILING BREACH (AREA E)**

The BSA sewer is bound by sheet piling consisting of wood planking and steel piling. In the area where BCC Outfall 011 crosses the BSA sewer line, a 5 to 10-foot section of the sheet piling has been reportedly removed (see Figure 2.4 for approximate location as indicated by the deflection of the groundwater potentiometric contours). This component of the ICM involves the repair of this section of the sheet piling to reduce groundwater flow from Area E via this breach. This repair will be achieved by the following general method:

- i)      excavation of the overburden to below the bottom of BCC Outfall 011 and beyond the limits of the breach. Note, the breach repair will apply to both the north and south sections of sheet piling breached by the outfall;
- ii)     installation of appropriate formwork against the sheet pile;
- iii)    placement of a low permeability concrete grout mixture and curing of the grout to close the breach; and
- iv)    backfilling of soil to grade.

The above repair is shown conceptually on Figure 2.5.

#### **2.2.6      AREA A BANK EROSION CONTROL**

##### Area A Bank Erosion Control

This component of the ICM involves the placement of riprap (or other approved erosion control materials) along the approximate 190 foot section of exposed Area A bank adjacent to the Buffalo River to prevent soil and potential contaminants from eroding

from the bank. Some surface preparation such as brush removal, grading, and geotextile installation prior to placement of the riprap will be required. A conceptual cross-section for this measure is provided on Figure 2.6.

### 3.0 INTERIM CORRECTIVE MEASURE DESIGN/IMPLEMENTATION

A detailed Interim Corrective Measure Design (ICMD) will be prepared outlining the procedures by which the ICM, including the specific major components of the remedy as listed in Section 2.0, will be completed.

The ICMD will include the items presented in the following sections. During the design phase, contract documents and specifications and bid documents will be prepared for the construction of the ICM.

#### 3.1 HEALTH AND SAFETY PLAN

A Health and Safety Plan (HASP) will be developed which will meet the requirements of the Occupational Safety and Health Administration (OSHA). Both the Occupational Safety and Health Guidance for Hazardous Site Activities [October 1985 (HDD 5 NIOSH) Publication No. 85-115] and the EPA's Standard Operating Safety Guides (July 1988) will be used in the development of the HASP. The HASP will include a Contingency Plan as described in item ix) below.

The HASP will include:

- i) the name and qualifications of the person responsible in the event of an emergency situation;
- ii) provision of an initial safety indoctrination and training of all employees, including the name of the person providing the training and the topics of the training;
- iii) a plan for meeting with local, state and federal agencies involved in the ICM and local emergency response agencies;
- iv) first aid and medical information including the location of first aid equipment, names of personnel trained in first aid, a map of the route to the nearest medical facility, emergency telephone numbers of fire and rescue and local hazardous response teams, and the EPA National Emergency Response Team;
- v) a plan for protection of on-Site workers;
- vi) a plan for protection of the public and visitors to the Site;
- vii) an air monitoring plan including personnel monitoring, on-Site monitoring, perimeter monitoring, and monitoring results that will trigger the Contingency Plan;

- viii) a contaminant control plan including designation of work areas, protocols for each designated work area and decontamination procedures; and
- ix) a Contingency Plan including a Control and Countermeasures Plan with contingency measures for potential spills and releases of materials during any activities taken at or near the Site.

### 3.2 DESIGN AND IMPLEMENTATION SCHEDULE

The Final Design will be submitted within 150 days after NYSDEC approval of this SOW/WP. The Final Design documents will include a schedule for the implementation of the ICM. It is planned to start construction of the ICM in Spring 2004.

### 3.3 PERMITTING REQUIREMENTS PLAN

A plan to ensure that all non-State permitting requirements are satisfied will be developed.

### 3.4 QUALITY ASSURANCE PROJECT PLAN (QAPP)

A Quality Assurance Project Plan (QAPP) will be developed. The QAPP will include chain-of-custody procedures required for sampling during design activities and will include previously approved Site protocols where applicable and appropriate.

The QAPP will comply with the EPA documents entitled "Test Methods for Solid Waste Physical/Chemical Methods", SW-846, 3rd Edition, September 1986 (with all subsequent revisions); USEPA Guidance for Quality Assurance Project Plans, EPA QA/G-5, December 2002; and Region II CERCLA Quality Assurance Manual, Revision 1, EPA Region II, October 1989. The QAPP will provide for submission of the analytical results as well as the quality assurance and quality control evaluation of the laboratory data, and sampling and analytical procedures used for each sample obtained.

Samples will be analyzed by those methods presented in the document "Test Methods for Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, September 1986 (with all subsequent revisions). The analytical laboratory chosen to perform the analyses will be certified by the New York State Department of Health (NYSDOH) through the environmental laboratory approval program for the appropriate categories of analysis. The name of the analytical laboratory and the laboratory QA/QC manual will be

submitted to NYSDEC for review and approval prior to sample collection. The laboratories will analyze any samples that the NYSDEC may submit to those laboratories for purposes of insuring that the laboratories meet NYSDEC-approved QA/QC requirements.

### 3.5 MATERIALS HANDLING AND MANAGEMENT PLAN

A Materials Handling and Management Plan (MHP) for ICM activities will be developed to ensure proper handling of water and excavated site materials and other generated solids (e.g., tyvek suits, other disposable PPE) to address short-term health risks and releases to the environment.

### 3.6 CONSTRUCTION MANAGEMENT PLAN

A Construction Management Plan (CMP) will be developed and will include the selection method of contractor(s) for the ICM, provisions for a pre-construction conference between the parties' Project Coordinators and their contractors, and provisions for such meetings periodically during the construction of the ICM.

### 3.7 CONSTRUCTION QUALITY ASSURANCE PLAN

A Construction Quality Assurance Plan (CQAP) will be developed and implemented to ensure, with a reasonable degree of certainty, that the completed ICM meets or exceeds all design criteria, plans and specifications. The CQAP will include requirements for data collection during the construction of the ICM to validate the completion of such construction.

### 3.8 ICM TEAM

A ICM Team will be assembled when the ICM contractor has been selected.

### 3.9 OPERATIONS AND MAINTENANCE PLAN

A Draft O&M Plan outlining the procedures to be followed subsequent to the completion of construction of the ICM will be developed.

The Draft O&M Plan will contain the procedures and requirements for all operation and maintenance of the ICM as constructed and will conform to the EPA's guidelines contained in "Considerations for Preparation of Operation and Maintenance Manuals", EPA 68-01-0341 (and all subsequent revisions). The Draft O&M Plan will be submitted simultaneously with the Final Design. The Final O&M Plan will be submitted subsequent to construction of the ICM.

### 3.10 FINAL DESIGN DOCUMENTS

Due to the nature of the ICM, the Final (100%) Design Document will be the only design document submitted to the NYSDEC in accordance with the schedule set out herein.

This design document will include the following items:

- i) Statement of Work;
- ii) final design plans and specifications;
- iii) data collection methods to be used during construction of the ICM;
- iv) a HASP;
- v) a CQAP;
- vi) A MHP;
- vii) A field sampling plan directed toward meeting the performance standards of the CQAP;
- viii) Draft Operations and Maintenance (O&M) Plan; and
- ix) Preliminary CMI Schedule.

Upon approval by the NYSDEC, the final design document shall be deemed to be the Interim Corrective Measure Design Report (ICMD Report). The approved final design documents will be certified and stamped by a professional engineer licensed and registered to practice in New York State.

### 3.11 PUBLIC PARTICIPATION

Public participation and support will be provided to NYSDEC consistent with the relevant portions of "The New York State Inactive Hazardous Waste Site Citizen Participation Plan" (dated August 30, 1988) (and all subsequent revisions).

### 3.12 ICM IMPLEMENTATION

Upon approval by the NYSDEC of the Final Design documents, contractor(s) will be procured and implementation of the ICM Plan will be initiated. It is planned to start construction of the ICM in Spring 2004.

After completion of construction of the ICM, a final inspection will be conducted by the NYSDEC. The final inspection will include an inspection tour of the entire project to determine project completeness and operational testing of all equipment. Thereafter, the Final ICM Implementation Report (ICMI Report) will be prepared.

The Final ICMI Report will fully describe the construction of the ICM and include the record engineering drawings of the ICM depicting the remedy, as constructed.

DPF/pjs

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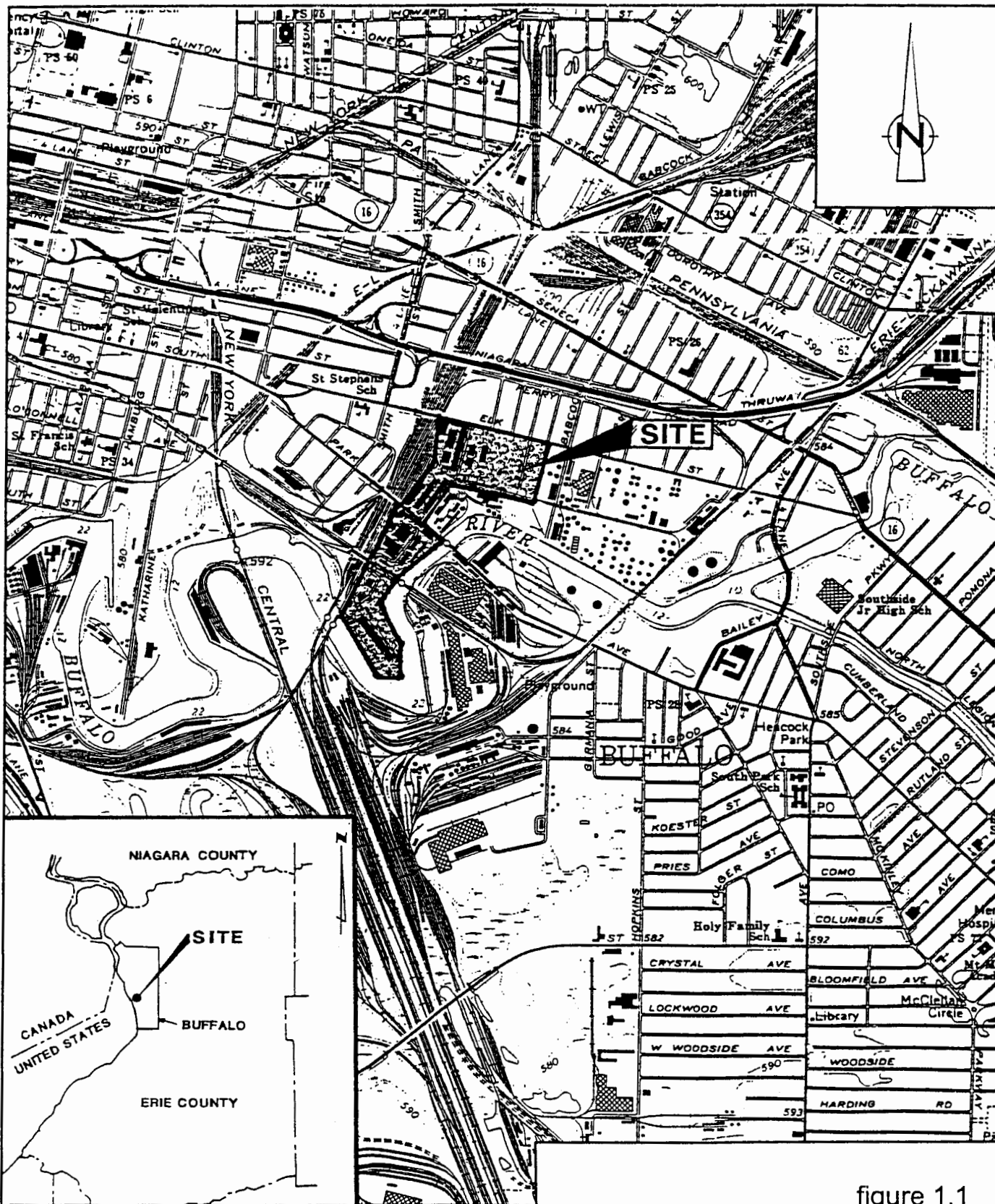
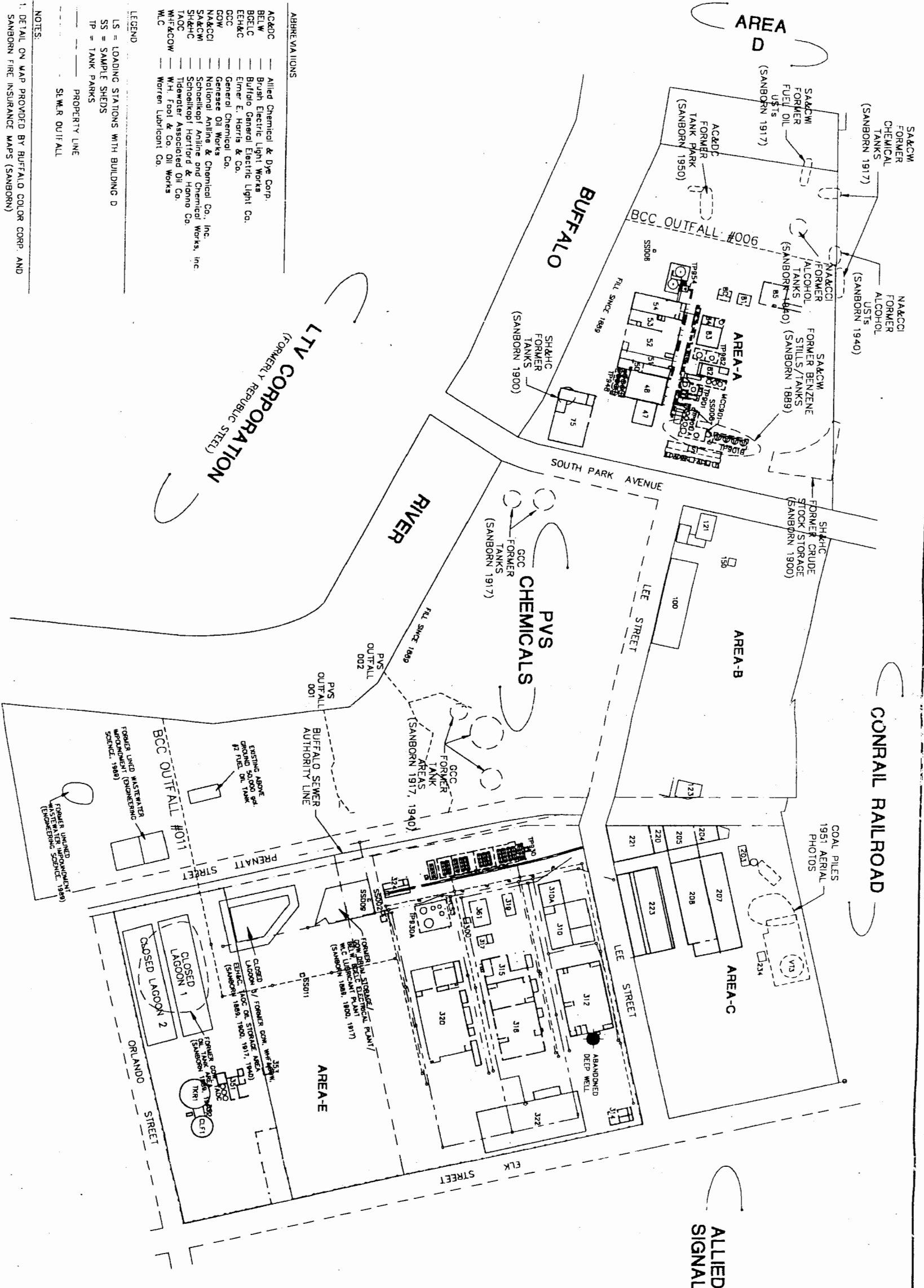
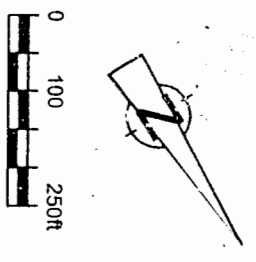


figure 1.1

SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-9206)



INTERIM CORRECTIVE MEASURE DESIGN / IMPLEMENTATION  
*Buffalo Color Site, Buffalo, New York*



**ABBREVIATIONS**

AC&DC — Allied Chemical & Dye Corp.  
BELW — Brush Electric Light Works  
BCELC — Buffalo General Electric Light Co.  
EEH&C — Elmer E. Harris & Co.  
GCC — General Chemical Co.  
GOW — Genesee Oil Works  
NA&CI — National Aniline & Chemical Co., Inc.  
SA&CW — Schoellkopf Aniline and Chemical Works, Inc.  
SH&HC — Schoellkopf Harford & Harno Co.  
TAOC — Tidewater Associated Oil Co.  
WH&ACOW — W.H. Foel & Co. Oil Works  
WLC — Warren Lubricant Co.

**LEGEND**

LS = LOADING STATIONS WITH BUILDING D  
SS = SAMPLE SHEDS  
TP = TANK PARKS

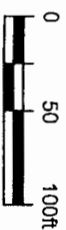
— PROPERTY LINE  
— SLMR OUTFALL

**NOTES:**

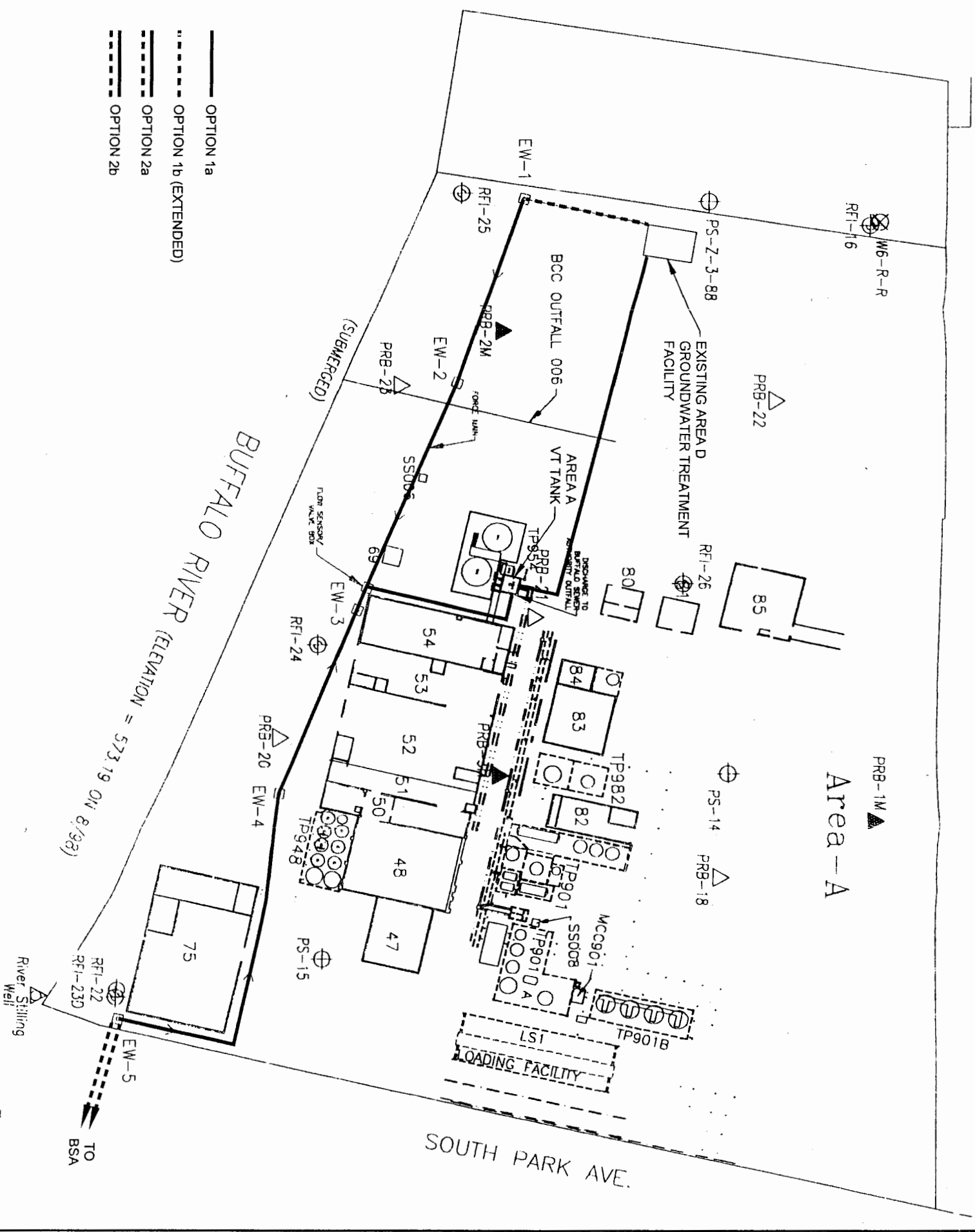
1. DETAIL ON MAP PROVIDED BY BUFFALO COLOR CORP. AND  
SANGORN FIRE INSURANCE MAPS (SANGORN)

SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-9206)

figure 1.2  
SITE LAYOUT - AREA ABCE  
SCOPE OF WORK / WORK PLAN  
INTERIM CORRECTIVE MEASURE DESIGN / IMPLEMENTATION  
Buffalo Color Site, Buffalo, New York



⊕	RFI-21D	RFI MONITORING WELLS
⊕	PS-01	PRE-RFI PIEZOMETERS
⊗	R-04	PRE-RFI MONITORING WELLS
△		RIVER STILLING WELL
△	PRB-22	RFI BORING
▲	PRB-2M	RFI MULTIPLE DEPTH BORING
⊙	EW-1	EXTRACTION WELL VAULT
→		FORCEMAIN



CONCEPTUAL AREA A MSC LAYOUT  
SCOPE OF WORK / WORK PLAN  
INTERIM CORRECTIVE MEASURE DESIGN / IMPLEMENTATION  
*Buffalo Color Site, Buffalo, New York*



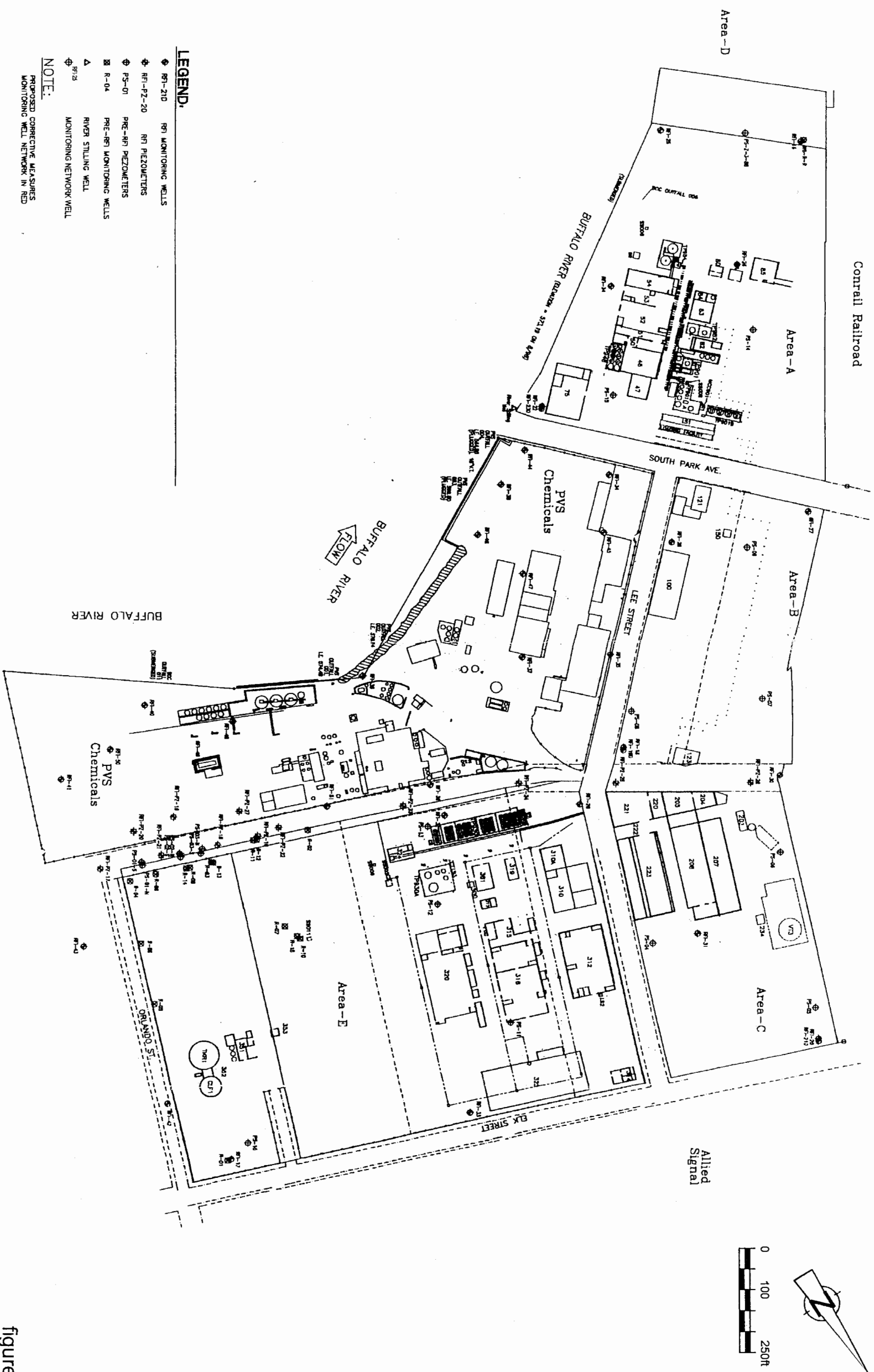
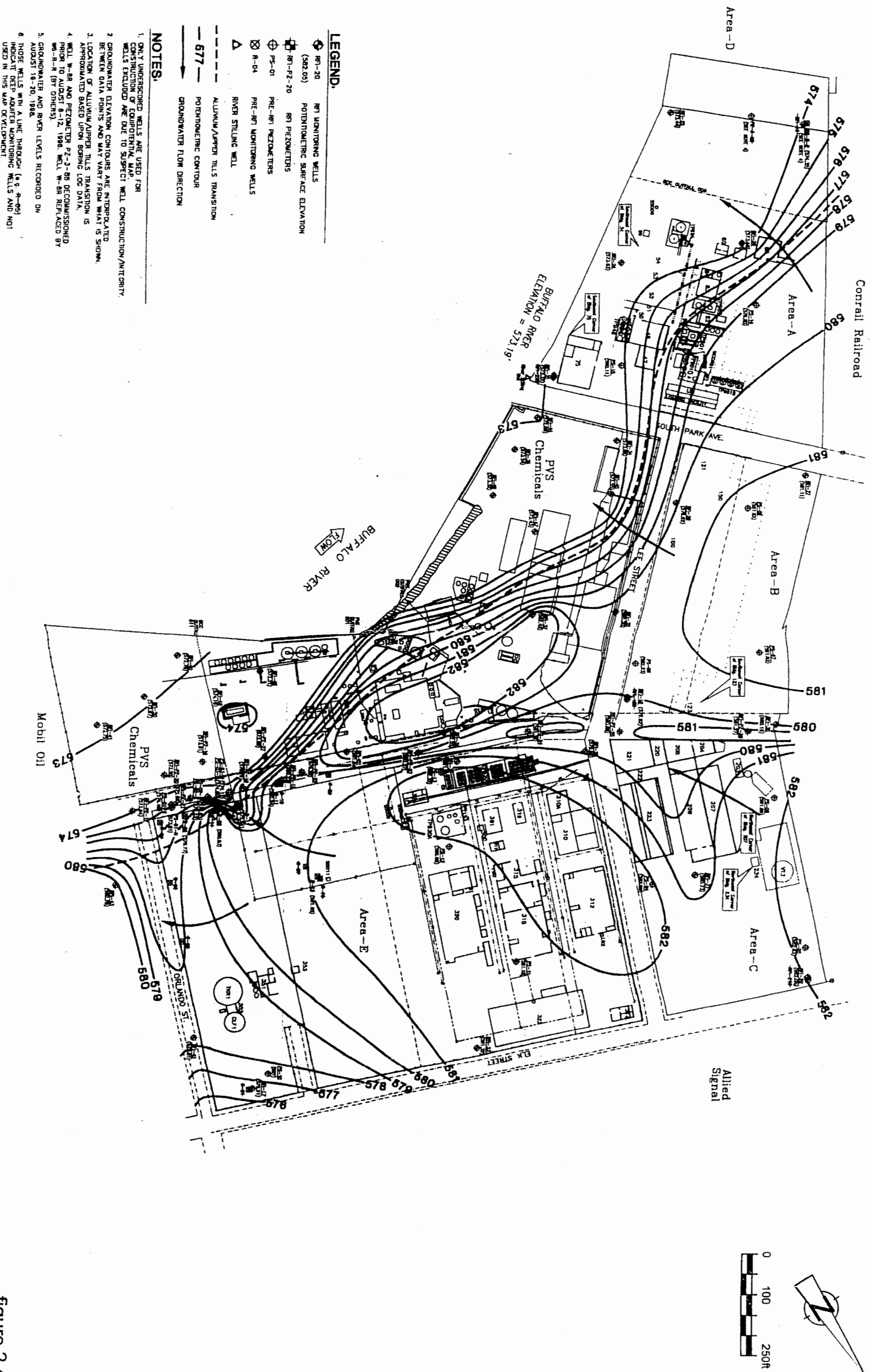


figure 2.3

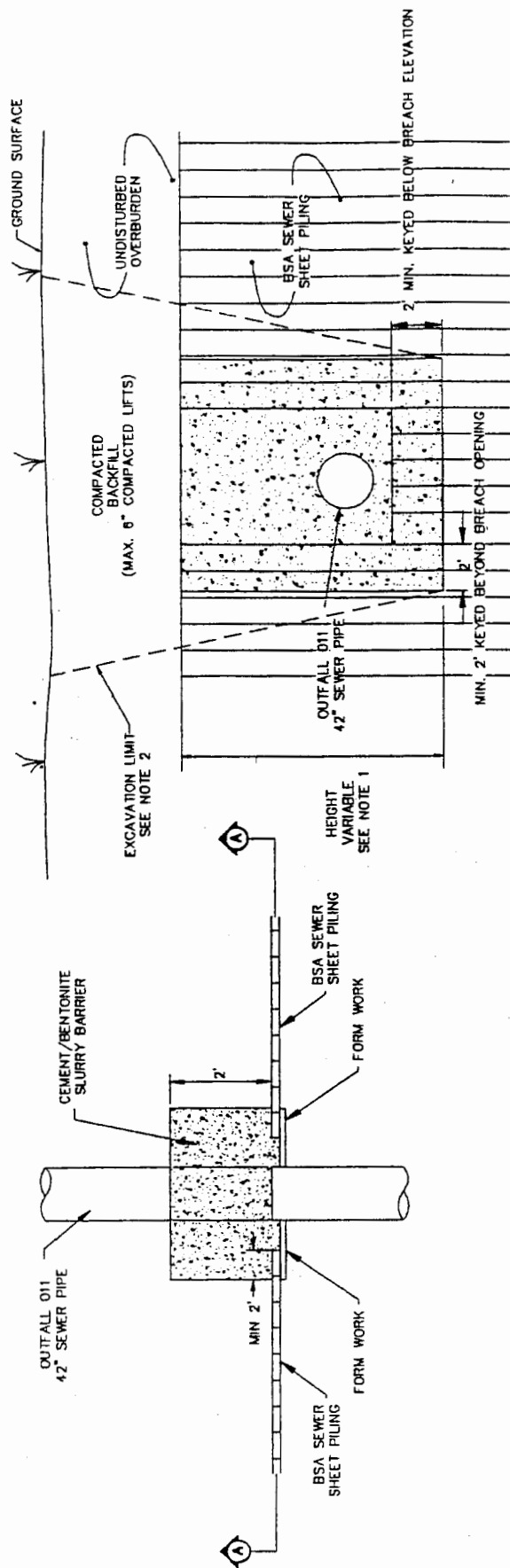
SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-9206)





SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-9206)





**BREACH BARRIER PLAN VIEW**

**BREACH BARRIER - SECTION A**

NOT TO SCALE

NOT TO SCALE

**NOTES**

1. ACTUAL HEIGHT OF SLURRY BARRIER SHALL BE DETERMINED IN THE FIELD BASED ON THE ELEVATION OF THE TOP OF SHEET PILING ABOVE THE STORM SEWER.
2. EXCAVATIONS SHALL BE SLOPED/BENCHED/SUPPORTED IN ACCORDANCE WITH OSHA REGULATIONS. A TRENCH BOX OR SHORING AND BRACING MAY ALSO BE USED SUBJECT TO THE SAME REGULATIONS.
3. TWO BARRIERS TO BE INSTALLED. ONE ON UPDRAINAGE SHEETING, ONE ON DOWNDRAINAGE SHEETING.

figure 2.5

**CONCEPTUAL AREA E BREACH REPAIR  
SCOPE OF WORK / WORK PLAN  
INTERIM CORRECTIVE MEASURE DESIGN / IMPLEMENTATION**  
*Buffalo Color Site, Buffalo, New York*

SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-9206)





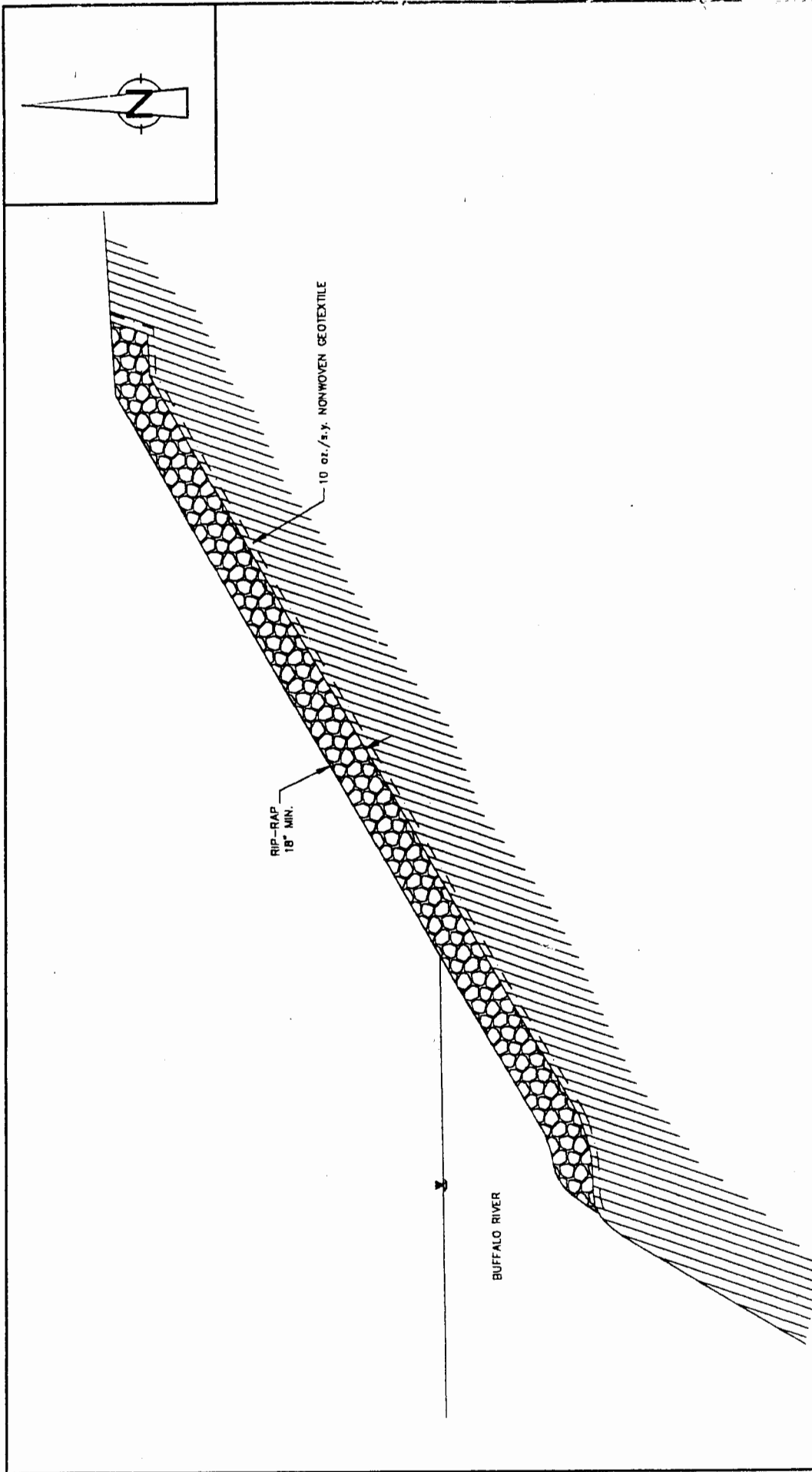


figure 2.6

CONCEPTUAL AREA A BANK EROSION CONTROL DESIGN  
SCOPE OF WORK / WORK PLAN  
INTERIM CORRECTIVE MEASURE DESIGN / IMPLEMENTATION  
*Buffalo Color Site, Buffalo, New York*

SOURCE: GOLDER ASSOCIATES  
REPORT ON CORRECTIVE MEASURES STUDY  
(PROJECT NO. 993-9206)

