

**PERMITS AND APPROVALS**



March 28, 1995

Mr. Sydney Mastrangelo  
Code Enforcement Officer  
Cecil Township Municipal Building  
655 Millers Run Road  
McDonald, Pennsylvania 15057

RE: **Notice of Intent**  
**C-E Cast Facility**  
**Muse, Pennsylvania**

Dear Mr. Mastrangelo:

To comply with the requirements for a Pennsylvania general discharge permit, ABB Environmental Services, Inc. (ABB-ES) submits this letter to notify you of our intent to discharge storm water during construction activities at the former C-E Cast facility. The discharge will be composed entirely of storm water and will be discharged to surface waters of the Commonwealth of Pennsylvania. Construction activities are described in the *Phase IV Remedial Action Plan* which ABB-ES submitted to you earlier this month.

If you have any questions, please let me know. Thank you.

Sincerely,

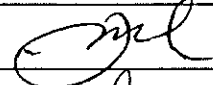
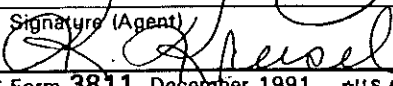
**ABB ENVIRONMENTAL SERVICES, INC.**

Nick Rico, P.E.  
Environmental Engineer

enclosure

cc: A. Karlbergs, Norwalk  
T.E. Morgan, Norwalk  
J.P. Brett, Norwalk

ABB Environmental Services, Inc.

Is your RETURN ADDRESS completed on the reverse side?	<b>SENDER:</b> <ul style="list-style-type: none"> <li>• Complete items 1 and/or 2 for additional services.</li> <li>• Complete items 3, and 4a &amp; b.</li> <li>• Print your name and address on the reverse of this form so that we can return this card to you.</li> <li>• Attach this form to the front of the mailpiece, or on the back if space does not permit.</li> <li>• Write "Return Receipt Requested" on the mailpiece below the article number.</li> <li>• The Return Receipt will show to whom the article was delivered and the date delivered.</li> </ul>		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
	3. Article Addressed to: MR. SYDNEY MASTRANGELO CODE ENFORCEMENT CECIL TOWNSHIP MUNICIPAL 655 MILLERS RUN ROAD McDONALD, PA 15057	4a. Article Number P153 380 896	
		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
	5. Signature (Addressee) 	7. Date of Delivery 03-95	
6. Signature (Agent) 	8. Addressee's Address (Only if requested and fee is paid)		
PS Form 3811, December 1991 *U.S. GPO: 1992-823-402		<b>DOMESTIC RETURN RECEIPT</b>	

Thank you for using Return Receipt Service.



April 28, 1995

Ms. Juliann Krobert  
Washington County Conservation District  
602 Court House Square  
100 West Beau Street  
Washington, Pennsylvania, 15301

**RE: C-E Cast Facility, Muse, Cecil Township, Pennsylvania**

Dear Ms. Krobert:

Please review the enclosed Notice of Intent (NOI) application form and the attached draft of the Storm Water Preparedness, Prevention, and Contingency (PPC) Plan. Also enclosed is a check in the amount of \$100 for the filing fee. I forwarded a copy of the application and attached plan to Pennsylvania Department of Environmental Resources as an addendum to the *Phase IV Remedial Action Plan*.

Also enclosed is a copy of the letter, with Domestic Return Receipt, sent to the Code Enforcement Officer for Cecil Township. This letter notifies the Town of ABB-ES' plans for the site as per the NOI requirements.

If you have any questions about the application or the PPC Plan, please call me at (800) 848-6297 extension 3541. Thank you.

Sincerely,  
**ABB ENVIRONMENTAL SERVICES, INC**

Nick Rico, P.E.  
Project Engineer

enclosures

cc: T. Buchan, PADER  
A. Karlbergs, C-E  
T. Morgan, C-E  
K. Campbell, ABB-ES  
L. Spahr, ABB-ES

ABB Environmental Services, Inc.

ABB Environmental Services Inc.

110 Free St. - P.O. Box 7050  
Portland, ME 04112

CITIBANK  DELAWARE  
A subsidiary of Citicorp

0257739

62-20  
311

CHECK DATE	REFERENCE NO.
4-28-95	257739

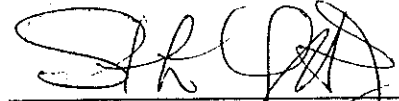
AMOUNT
\$100.00

PAY:

ENGINEERS & ARCHITECTS.

TO:

Washington County Conservation District



AUTHORIZED SIGNATURE

⑈ 257739⑈ ⑆031100209⑆

38723001⑈

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF LAND AND WATER CONSERVATION

OFFICIAL USE ONLY  
PA \_\_\_\_\_

**NOTICE OF INTENT (NOI)  
FOR COVERAGE UNDER THE PENNSYLVANIA GENERAL PERMIT FOR  
DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITIES**

<b>A. FACILITY OWNER NAME:</b> Combustion Engineering, Inc.		<b>B. OPERATOR'S NAME (IF APPLICABLE):</b> Same as owner	
<b>TELEPHONE NO.:</b> (203) 750-2200		<b>TELEPHONE NO.:</b>	
<b>MAILING ADDRESS:</b> P.O. Box 5308 Norwalk, CT 06856-5308		<b>MAILING ADDRESS:</b>	
<b>C. FACILITY LOCATION:</b> Municipality: <u>Muse (Cecil Township)</u> County: <u>Washington</u>			
<b>D. EXISTING PERMITS: Include Earth Disturbance permits, NPDES permits or any other environmental quality permits.</b>			
Type of Permit	Permit No.	Date Issued	Issued By
None	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
<b>E. OPERATOR STATUS:</b> OWNER <input type="checkbox"/> OPERATOR <input type="checkbox"/> CONTRACTOR <input type="checkbox"/> OWNER/OPERATOR <input checked="" type="checkbox"/>			
<b>F. FACILITY STATUS:</b> FEDERAL <input type="checkbox"/> STATE <input type="checkbox"/> PRIVATE <input checked="" type="checkbox"/> PUBLIC <input type="checkbox"/> OTHER <input type="checkbox"/> Please explain: _____			
<b>G. DEVELOPMENT NAME (if applicable):</b> Former C-E Cast Facility			
<b>H. SIC CODE(S) (4-digit):</b> N/A		<b>I. FACILITY LATITUDE/LONGITUDE:</b> LATITUDE - <u>40° / 19'</u> / _____ LONGITUDE - <u>80° / 12'</u> / _____ U.S.G.S. QUAD NAME: <u>Canonsburg</u> *Locate project site on U.S.G.S. map and attach to this application.	
<b>J. QUANTITATIVE DATA (SUBMIT ALL EXISTING DATA, USE SEPARATE SHEET IF NECESSARY):</b>			
POLLUTANT	CONCENTRATION w/Units	SOURCE	DATE(S)/NUMBER OF SAMPLES
(1) See Attached	_____	_____	_____
(2)	_____	_____	_____

K. STORM WATER DISCHARGES TO:

WATERS OF THE COMMONWEALTH       MUNICIPAL SEPARATE STORM SEWER       PRIVATE STORM SEWER

RECEIVING WATER/WATERSHED NAME: Unnamed Tributary to Brush Run	NAME OF MUNICIPAL STORM SEWER OPERATOR:	NAME OF PRIVATE STORM SEWER OPERATOR:
--	--	--

CHAPTER 93 RECEIVING WATER CLASSIFICATION: WWF	SECONDARY WATERS:
--	-------------------

L. DESCRIPTION OF PROJECT:

The goal of the site remediation is to reduce to extent practicable the level of contaminants at the facility. During the Phase II Site Investigation, ABB-ES divided the facility into three areas of impact from operations at the facility. The Phase II and Phase III investigations determined that Area 1 and a small portion of Area 3 required soil treatment to comply with Pennsylvania Department of Environmental Resources (PADER) standards for chemical concentrations in soil.

The scope of the remediation includes excavating impacted soil from Areas 1 and 3. The impacted soil would be treated thermally on site and treated soil would be returned to the excavated area. The impacted areas would be graded and seeded. A more detailed description is provided in the Phase IV RAP, E&S Plan, and PPC Plan.

LIST EXISTING AND PREVIOUS USES OF THE LAND UNDER PROPOSED CONSTRUCTION:

The property was formerly owned by Frick Coal Company which mined coal from the mine on-site. USX purchased the mine from Frick in the 1950s. In the 1960s, USX sold the property to Chemical Solvents, but retained the use of the mine. Chemical Solvents produced and reclaimed solvents at their facility. Combustion Engineering (C-E) purchased the site in the mid-1960s and named the facility C-E Cast.

C-E Cast continued the chemical operations and focused on the casting industry for its market. In 1985, C-E Cast sold the operation to CastAmerica who leased the facility from C-E. CastAmerica ceased operations in 1987 when it sold patents and goodwill to Ashland Chemical. Castec leased part of the facility until C-E demolished the buildings in early 1994.

SIZE OF TOTAL DEVELOPMENT (ACRES): 13.0      TOTAL DISTURBED (ACRES): 13.0

ESTIMATED TIME TABLE FOR MAJOR CONSTRUCTION ACTIVITIES (TOTAL YEARS):

PHASE/PARCEL NO. OR NAME	DESCRIPTION	TOTAL ACRES	DISTURBED ACRES	START DATE	END DATE
	See attached schedule				

IF 25 ACRES OR MORE, IS THE SITE PARCELED PURSUANT TO 25 PA CODE §102.31(a)(4)? YES  NO

IF ADDITIONAL SPACE IS NEEDED, PLEASE ATTACH ADDITIONAL SHEETS.

M. WILL YOU USE AND/OR STORE CHEMICALS, SOLVENTS, OTHER HAZARDOUS WASTE OR MATERIALS WITH THE POTENTIAL TO CAUSE ACCIDENTAL POLLUTION DURING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES?

YES  NO

(If yes, a PPC Plan is required in accordance with 25 Pa. Code §101.31.

N. PREPARATION OF E&S CONTROL PLANS OR EARTH DISTURBANCE PERMIT APPLICATION (For all facilities and projects):

NAME OF PREPARER:  
ABB Environmental Services, Inc.

QUALIFICATION:  
Environmental Consulting/Engineering Firm

TITLE:  
Agent of Combustion Eng.

AFFILIATION:

ADDRESS:  
110 Free Street //P.O. Box 7050 Portland, ME 04112

TELEPHONE NO.:  
(207)775-5400

O. CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that the construction activity described hereinabove is eligible for coverage under the Department's general permit for storm water discharges from construction activities and that the Best Management Practices (BMPs), including Erosion and Sedimentation Control Plans, Preparedness, Prevention, and Contingency Plans, and other storm water pollution prevention and minimization strategies are designed, installed and maintained in accordance with general permit requirements and to ensure that water quality standards and effluent limitations are attained. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE:

Kenneth W. Campbell, P.E.  
Agent of Combustion Engineering

PROFESSIONAL  
SEAL  
(IF APPROPRIATE)

SIGNATURE:

*Kenneth W Campbell*

DATE SIGNED:

April 28, 1995

AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA  
STATE OF MARYLE

COUNTY OF CUMBERLAND

I, KENNETH W. CAMPBELL, being duly sworn, according to law, depose and say that I (am the applicant) (am an officer of official of the applicant) (have the authority to make this application) and that the plans, reports and documents submitted as part of the application are true and correct to the best of my knowledge and belief.

SWORN AND SUBSCRIBED TO BEFORE ME THIS

DAY OF May 19 95

*Elean M. Frost*  
Notary Public

*Kenneth W Campbell*  
Signature of Applicant or Responsible Official

P. EROSION AND SEDIMENTATION CONTROL PLANS (To be Completed By Appropriate Conservation District)

DATE PLAN SUBMITTED: \_\_\_\_\_ DATE REVISIONS SUBMITTED: \_\_\_\_\_ DATE APPROVED: \_\_\_\_\_

SIGNATURE OF AUTHORIZED REPRESENTATIVE OF THE APPROPRIATE CONSERVATION DISTRICT:

Signature

Name and Official Title

Date





TABLE 2-1  
AREA 1 AVERAGE AND MAXIMUM SOIL CONCENTRATIONS

CONSTITUENT	AVERAGE SOIL CONCENTRATION <sup>1</sup> (mg/kg) <sup>2</sup>	MAXIMUM SOIL CONCENTRATION (mg/kg)	LOCATION (depth = 2 ft bgs <sup>3</sup> )	PADER2 CRITERIA <sup>4</sup> (mg/kg)
cis-1,2-Dichloroethene	0.59	1.1	SB-N02	0.6 <sup>5</sup>
1,1,1-Trichloroethane	0.78	12	SB-N02	1
Trichloroethene	1.6	59	SB-N06	2
Tetrachloroethene	0.24	0.78	SB-N02	2
Vinyl Chloride	0.55	1.7	SB-N05	0.018 <sup>5</sup>
Benzene	4.9	9.0	SB-N06B	0.8
Ethyl-Benzene	360	1,200 <sup>6</sup>	SB-N06	5
Toluene	380	4,700 <sup>6</sup>	SB-N06	2
Total Xylenes	NC <sup>7</sup>	3,700	SB-N06	5/3
Styrene	NC	55	SB-N06	5
Chlorobenzene	NC	25	SB-N06	3
Total Dichlorobenzenes	NC	300	SB-N06	7
Cyclohexanes	NC	13	SB-N04	5 <sup>5</sup>

Notes:

1. Average soil concentration calculated as an arithmetic mean of VOC concentrations from samples collected within Area 1.
2. mg/kg - milligrams per kilogram
3. bgs - below ground surface
4. PADER "Cleanup Standards for Contaminated Soils" (December 1994) - groundwater protection level 2
5. developed using PADER-approved "Criteria Estimation Modeling System" (November 1993)
6. Analytical results from an off-site laboratory.
7. NC - not calculated because these compounds were not analyzed individually by field laboratory. Compounds were detected in the two samples sent to an off-site laboratory.

**PHASE IV REMEDIAL ACTION PLAN  
FORMER C-E CAST FACILITY  
MUSE, PENNSYLVANIA**

**II.D.12 STORM WATER PREPAREDNESS, PREVENTION, AND CONTINGENCY  
PLAN**

*Prepared for:*

Pennsylvania Department of Environmental Resources

*Submitted by:*

Prospect Hill Management Corporation  
501 Merritt 7  
Norwalk, CT 06851

Prepared by:

ABB Environmental Services, Inc.  
110 Free Street  
Portland, ME 04112

**ISSUED FOR AGENCY REVIEW**

**APRIL 1995**

**STORM WATER PREPAREDNESS, PREVENTION, AND CONTINGENCY  
PLAN**

**FOR**

**CE CAST  
MUSE, PA**

**Low Temperature Thermal  
Desorption Remedial Action**

**I. Introduction**

This narrative describes the best management practices for the storm water Preparedness, Prevention, and Contingency (PPC) plan to be implemented in addition to the Erosion and Sedimentation plan (E&S pan) during the execution of this remediation project. This narrative is organized to reflect the requirements for a storm water pollution prevention plan for construction activities in accordance with 25 Pennsylvania Code Section 101.3.

This remediation project involves the excavation and treatment of soils impacted with chlorinated and non-chlorinated hydrocarbons. Approximately 7200 cubic yards of soil will be excavated and treated by a low-temperature thermal desorption process. The treated soil will be backfilled and compacted into the excavations. A maximum of 13.0 acres will be disturbed during the execution of this project, including the construction of all erosion control measures, borrow areas and final site restoration.

During execution of this project, temporary measures will be installed or constructed to control erosion and sedimentation as described by the E&S Plan. This PPC plan will identify all waste management areas; raw material storage areas; temporary and permanent spoils storage areas; maintenance areas; and any other areas that may have the potential to cause non-compliance with the terms and conditions of the permit due to storage, handling, or disposal of any toxic or hazardous substances. Best management practices will be developed and executed to control potential pollution to storm water in each identified area. This plan will be maintained on-site at all times during execution of the project.

**II. Existing Topographic Features**

The site location map provided as Figure 1 of this plan was reproduced from a USGS quadrangle for Canonsburg, Pennsylvania. Drawing C-101 represents the

existing conditions at the site and shows topographic features at a scale of 1"=100' and with a contour interval of 2 feet.

A small marshy area is located in the northeast corner of the property (see Drawing C-101). This area discharges into an intermittent stream through a culvert under the abandoned railroad bed and flows south just outside of the eastern property boundary. Approximately 1300 feet downstream from the marshy area, the stream becomes perennial. This stream is an unnamed tributary of Brush Run which is located approximately 7000 feet south of the southeast property corner. The site is not located within a 100-year flood plain.

### **III. Construction/Cleanup Identification and Best Management Activities**

The remediation technique selected is a low-temperature thermal desorption process. The remediation activities include excavation, soil stockpile and stack construction; soil decontamination; and soil sampling. This section will identify all waste management areas, raw material storage areas, temporary and permanent spoils storage areas, and maintenance areas that will be used during the remediation and construction activities.

#### Excavation

The excavation activities include two borrow areas, sedimentation traps, the contaminated soil excavation areas, sedimentation pond, and diversion channels. The excavation of the contaminated areas will take place during three weeks of the on-site activities which are expected to last three months.

Sedimentation Pond / Sedimentation Traps / Diversion Channels - These structures will be constructed prior to soil treatment activities. The technical specifications and runoff control of each structure are presented in the E&S plan.

Contaminated Soil Excavation Areas - Excavated material will be stockpiled in a designated contaminated material area (Building 1 foundation pad). Secondary containment will include a one-foot earthen berm around the complete perimeter of the stockpile area. The stockpile area will be lined with two layers of 8-mil polyethylene material. Adjacent polyethylene sheets will be overlapped a minimum of one foot and all seams taped. At the end of each day and during inclement weather, the contaminated soil stockpile will be covered with polyethylene sheeting to divert the flow of rain water to the sedimentation pond. Sand bags will be placed on the polyethylene cover to anchor it.

Grading will be conducted as necessary to prevent surface water and rain water from flowing into the excavation. Water accumulated therein will be removed so that the stability of the bottom and sides of the excavation are maintained. At the

end of each day, the leading edge of the contaminated soil excavation will be covered with polyethylene sheeting to reduce the potential for exposure to rain water.

During excavation of contaminated soils, rain water collected in the excavation pit will be pumped to a storage tank located on-site. The stored rain water will be tested and disposed of appropriately. The excavation will remain open after the contaminated soil is removed. During this period, rain water will collect in the excavation, but will not come into contact with contaminated soil. This storm water will be pumped from the excavation pit and routed through the sedimentation pond.

#### Soil Stack Construction / Treatment

A soil stack comprises 1,000 to 1,500 tons of excavated soil and requires approximately 2-days to construct. The soil stacks will be 90 feet by 45 feet and 10 feet high. Soil will be placed on 10mil+ heavy gauge polyethylene liner with a perimeter berm. A trailer-mounted low-temperature thermal desorption system will be situated along side the soil stack and connected to the soil stack with flexible ducting (see attached process diagram). Hot air is ducted through the contaminated soil volatilizing and absorbing the contaminants. The contaminants will then be carried in the air stream and passed through the "Burn Chamber". All air exhausted will be passed through the "Catalytic Reactor" bank assuring no contaminants or particulates are exhausted into the atmosphere.

At the end of each soil stack construction work day and during the entire treatment phase the soil stack will be covered with a 10mil+ heavy gauge polyethylene covering. The bottom liner and top cover will be rolled up and staked down with two-by-fours to prevent rain water from contacting or flowing through the contaminated soil stack. During periods of heavy rain, soil stacks will not be constructed to reduce the potential for storm water contamination. Storm water from the soil stacks area will be diverted to the sedimentation pond.

#### Sedimentation Pond / Sedimentation Trap Activities

Water collected in the sedimentation pond and sedimentation traps will be visually observed for turbidity. If visual observations indicate low turbidity, rain water collected in the pond and traps will be discharged to an unnamed tributary to Brush Run (see map C-104 for discharge locations). Turbid rain water will be allowed to settle in the pond and traps before discharge.

#### Miscellaneous Activities

During construction/treatment activities there will be miscellaneous activities such as vehicle wash-downs, decontamination of equipment. No temporary fuel oil

storage tanks will be staged on-site during construction / treatment activities. However, propane storage tanks used to supply the treatment system will be on-site.

All vehicle wash-downs and decontamination of equipment will be conducted on the decontamination pad. The decontamination pad will be constructed with a berm to contain the decontamination fluids. Maintenance activities will be conducted at the decontamination pad or the equipment will be decontaminated or washed down and replaced by other equipment. Fluids from the decontamination pad will be pumped to a storage tank, tested and disposed of properly. Additionally absorbent pads will be available on-site to address oil spills potentially resulting from equipment maintenance.

#### **IV. Visual Inspections**

Visual inspections of the contaminated soil pile and soil stack covers, excavation covering, sedimentation ponds and traps, diversion structures, siltation fences, and storage tanks will occur once a week and within 24-hours after a large storm. In addition to inspection requirements specified in the E&S Plan, inspections will target tears and holes in the coverings, anchoring of coverings, effectiveness of siltation fences, diversion channels and sedimentation ponds/traps, storage tank leaks and structural integrity. These inspections will be documented and the records retained on-site (see attached Inspection Form). If a deficiency is noted, corrective action will be taken immediately. Documentation of the corrective action will also be retained on-site during construction/treatment activities.

#### **V. Employee and Subcontractor Training**

Prior to the start of on-site activities, all employees and subcontractor personnel will be trained on the requirements of the PPC and the E&S plans. This training will be documented, and records will be maintained on-site during construction activities. After on-site activities begin, new personnel working at the site will be trained on both plans prior to beginning work.

#### **VI. Additional Recordkeeping Requirements**

In addition to the documentation described above, the owner's representative will maintain documentation of any excavation pit sampling, including both soil and rain water analysis, sedimentation pond and trap discharge analysis, and appropriate disposal records/manifests of any water shipped for off-site disposal. (see attached sample of Chain-of-Custody form)

Inspection Form

DATE: \_\_\_\_\_

WEATHER: \_\_\_\_\_

TIME: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

DEFICIENCIES NOTED:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CORRECTIVE ACTION:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BY WHOM: \_\_\_\_\_





## Washington County Conservation District

602 Courthouse Square • 100 West Beau Street  
Washington, PA 15301 - 4402  
Phone 412-228-6774

### ACKNOWLEDGEMENT OF RECEIPT OF COMPLETE APPLICATION N.P.D.E.S PERMIT FOR DISCHARGE OF STORM WATER FROM CONSTRUCTION ACTIVITIES

DATE: May 11, 1995

DEAR: Mr. Nick Rico, Project Engineer  
RE: CE-Cast Facility, Muse PA

Your application for an NPDES Permit was received on 5/1/95. By the Wash. Co. Conservation District. The application was checked for completeness and all necessary items were found to be included. It has been assigned Permit # PAR10W058. For general permit applications, notification will be published in the Pennsylvania Bulletin. \* For individual permit applications, a thirty day comment period follows from the date the application is published.

\*\*\* The Erosion and Sedimentation Control Plan will be reviewed and studied for adequacy of protection and compliance with the D.E.R Rules and Regulations by District staff. This review will be completed within thirty (30) working days. If a review of the E & S plan reveals deficiencies, you will be notified by a deficiency letter asking for revisions. Revised plans will be REQUIRED before the application processing will continue.

For Individual NPDES Permit applications, upon approval of the E & S Plans, the Conservation District will forward its recommendation for permit issuance/denial to the Soil and Waterways Section, Pittsburgh Regional Office.

\*\*\* For individual permit application, you will be notified by the Field Operations Regional Office concerning other permits or approvals necessary for the proposed activity.

Sincerely,

Juliann M Krobert  
Erosion & Sedimentation Control Technician/Inspector

cc: CD Files  
Municipality



# Washington County Conservation District

602 Courthouse Square • 100 West Beau Street  
Washington, PA 15301 - 4402  
Phone 412-228-6774

## NATIONAL POLLUTION DISCHARGE ELLIMINATION SYSTEM GENERAL PERMIT AUTHORIZATION FORM

DATE: June 28, 1995

RE : Combustion Engineering, Inc  
P.O. Box 5308  
Former C-E-Cast PERIOW58  
PERMIT I.D. #: \_\_\_\_\_

Dear Mr. Kenneth Campbell,

Enclosed is the above refereneced permit which authorizes the discharge of storm water from the construction activity described in the final erosion and sedimentation control plan and the Notice of Intent (N.O.I.) Please ensure that the erosion and sedimentation control plan is fully implemented and available at the construction site.

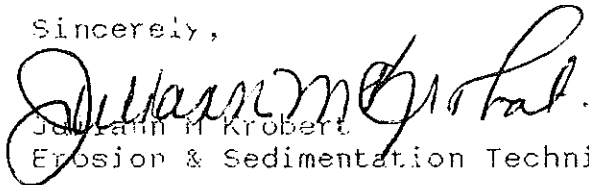
- \* Please read carefully Part A, B and C of the permit which detail the terms and conditions of this authorization. Conservation District staff and/or representatives of the Department of Environmental Resources will inspect this earthmoving activity to determine compliance with applicable permit requirements, Chapter 92, 101, and 102 Rules and Regulations of the Clean Streams Law.
- \* Permit requirements and federal regulations at 40 C.F.R. 122.12 (b) require "when a facility/ or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit." Please be advised that once a contractor has been selected for the project, the permit must either be transferred to the contractor or the contractor must be made a co-permittee. \*The enclosed form must be used to add a co-permittee.

Enclosed is a Notice of Termination (N.O.T) form to complete and file when construction activities have ceased and FINAL stabilization has been achieved. (To be determined by WCCD)

\*\*This authorization does not relieve the applicant from applying for and obtaining any and all additional permits or approvals from local, state, or federal agencies for the construction activity described in the Notice of Intent.

If you have any questions regarding this authorization  
or responsibility please contact the District at (412) 228-6774.

Sincerely,



Julian H. Krobert  
Erosion & Sedimentation Technician/Inspector.

Encl.

- 1) Completed & Approved N.O.I. form
- 2) Authorization information & requirements
- 3) Co-permittee form
- 4) N.O.T. form

CC: CD Files  
Township Office



## Washington County Conservation District

602 Courthouse Square • 100 West Beau Street  
Washington, PA 15301 - 4402  
Phone 412-228-6774

DATE : June 28, 1995

TO : Mr. Kenneth Campbell, applicant

SUBJECT : **EROSION AND SEDIMENTATION CONTROL PLAN**

SITE LOCATION : Muse, Pa former: C-E Cast Site, Cecil Township

NAME OF DEVELOPMENT : clean up of C-E Cast Facility

\*\* You will be responsible for the implementation of the erosion control plan.

This plan has been reviewed by the District and is adequate to meet the requirements of PA. Title 25, Chapter 102, Erosion Control.

The Washington County Conservation District has reviewed this plan solely to determine whether it is adequate to satisfy the requirements of the PA. Title 25, Code 102.1 et. seq., the erosion control regulations of the Department of Environmental Resources. By a determination that the plan is adequate to meet these requirements, neither the Washington County Conservation District nor the county assumes any responsibility for the implementation of the plan. The design, structure integrity, and the installation of the control measures are the sole responsibility of the landowner and/or earthmover. Before any construction or earthmoving may begin, the appropriate and necessary local, state, and federal permits must be secured from the agency having specific permitting authority.

A copy of the Erosion and Sedimentation Control Plan MUST be available at the site of earthmoving activity during construction and until the entire site is stabilized.

Your Conservation District stands ready to assist you in solving your conservation problems.

If you have any questions regarding this or any other projects, please feel free to contact our office at the above address and telephone number.

Sincerely yours,

Juliann M Krobot  
Erosion & Sedimentation Technician/Inspector

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF LAND AND WATER CONSERVATION

OFFICIAL USE ONLY  
PA 2100058

**NOTICE OF INTENT (NOI)  
FOR COVERAGE UNDER THE PENNSYLVANIA GENERAL PERMIT FOR  
DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITIES**

<b>A. FACILITY OWNER NAME:</b> Combustion Engineering, Inc.	<b>B. OPERATOR'S NAME (IF APPLICABLE):</b> Same as owner
<b>TELEPHONE NO.:</b> (203) 750-2200	<b>TELEPHONE NO.:</b>
<b>MAILING ADDRESS:</b> P.O. Box 5308 Norwalk, CT 06856-5308	<b>MAILING ADDRESS:</b>

**APPROVED**

**C. FACILITY LOCATION:**  
Municipality: Muse (Cecil Township) County: Washington

**D. EXISTING PERMITS:** Include Earth Disturbance permits, NPDES permits or any other environmental quality permits.

Type of Permit	Permit No.	Date Issued	Issued By
<u>None</u>			

**E. OPERATOR STATUS:** OWNER  OPERATOR  CONTRACTOR  OWNER/OPERATOR

**F. FACILITY STATUS:** FEDERAL  STATE  PRIVATE  PUBLIC  OTHER  Please explain: \_\_\_\_\_

**G. DEVELOPMENT NAME (if applicable):**  
Former C-E Cast Facility

<b>H. SIC CODE(S) (4-digit):</b> <u>N/A</u>	<b>I. FACILITY LATITUDE/LONGITUDE:</b> LATITUDE - <u>40° / 19' / _____</u> LONGITUDE - <u>80° / 12' / _____</u> U.S.G.S. QUAD NAME: <u>Canonsburg</u> *Locate project site on U.S.G.S. map and attach to this application.
--	--

**J. QUANTITATIVE DATA (SUBMIT ALL EXISTING DATA, USE SEPARATE SHEET IF NECESSARY):**

POLLUTANT	CONCENTRATION w/Units	SOURCE	SAMPLE TYPE	DATE(S)/NUMBER OF SAMPLES
(1) See Attached				
(2)				

K. STORM WATER DISCHARGES TO:  
 WATERS OF THE COMMONWEALTH  MUNICIPAL SEPARATE STORM SEWER  PRIVATE STORM SEWER

RECEIVING WATER/WATERSHED NAME: Unnamed Tributary to Brush Run	NAME OF MUNICIPAL STORM SEWER OPERATOR:	NAME OF PRIVATE STORM SEWER OPERATOR:
CHAPTER 93 RECEIVING WATER CLASSIFICATION: WWF	SECONDARY WATERS:	

L. DESCRIPTION OF PROJECT:  
 The goal of the site remediation is to reduce to extent practicable the level of contaminants at the facility. During the Phase II Site Investigation, ABB-ES divided the facility into three areas of impact from operations at the facility. The Phase II and Phase III investigations determined that Area 1 and a small portion of Area 3 required soil treatment to comply with Pennsylvania Department of Environmental Resources (PADER) standards for chemical concentrations in soil.  
 The scope of the remediation includes excavating impacted soil from Areas 1 and 3. The impacted soil would be treated thermally on site and treated soil would be returned to the excavated area. The impacted areas would be graded and seeded. A more detailed description is provided in the Phase IV RAP, E&S Plan, and PPC Plan.

LIST EXISTING AND PREVIOUS USES OF THE LAND UNDER PROPOSED CONSTRUCTION:  
 The property was formerly owned by Frick Coal Company which mined coal from the mine on-site. USX purchased the mine from Frick in the 1950s. In the 1960s, USX sold the property to Chemical Solvents, but retained the use of the mine. Chemical Solvents produced and reclaimed solvents at their facility. Combustion Engineering (C-E) purchased the site in the mid-1960s and named the facility C-E Cast.  
 C-E Cast continued the chemical operations and focused on the casting industry for its market. In 1985, C-E Cast sold the operation to CastAmerica who leased the facility from C-E. CastAmerica ceased operations in 1987 when it sold patents and goodwill to Ashland Chemical. Castec leased part of the facility until C-E demolished the buildings in early 1994.

SIZE OF TOTAL DEVELOPMENT (ACRES): 13.0 TOTAL DISTURBED (ACRES): 13.0

ESTIMATED TIME TABLE FOR MAJOR CONSTRUCTION ACTIVITIES (TOTAL YEARS):

PHASE/PARCEL NO. OR NAME	DESCRIPTION	TOTAL ACRES	DISTURBED ACRES	START DATE	END DATE
	See attached schedule				

IF 25 ACRES OR MORE, IS THE SITE PARCELED PURSUANT TO 25 PA CODE §102.31(a)(4)? YES  NO

IF ADDITIONAL SPACE IS NEEDED, PLEASE ATTACH ADDITIONAL SHEETS.

M. WILL YOU USE AND/OR STORE CHEMICALS, SOLVENTS, OTHER HAZARDOUS WASTE OR MATERIALS WITH THE POTENTIAL TO CAUSE ACCIDENTAL POLLUTION DURING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES?

YES  NO

(If yes, a PPC Plan is required in accordance with 25 Pa. Code §101.31.

N. PREPARATION OF E&S CONTROL PLANS OR EARTH DISTURBANCE PERMIT APPLICATION (For all facilities and projects):

NAME OF PREPARER:  
ABB Environmental Services, Inc.

QUALIFICATION:  
Environmental Consulting/Engineering Firm

TITLE:  
Agent of Combustion Eng.

AFFILIATION:

ADDRESS:  
110 Free Street //P.O. Box 7050 Portland, ME 04112

TELEPHONE NO.:  
(207)775-5400

O. CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that the construction activity described hereinabove is eligible for coverage under the Department's general permit for storm water discharges from construction activities and that the Best Management Practices (BMPs), including Erosion and Sedimentation Control Plans, Preparedness, Prevention, and Contingency Plans, and other storm water pollution prevention and minimization strategies are designed, installed and maintained in accordance with general permit requirements and to ensure that water quality standards and effluent limitations are attained. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE:  
Kenneth W. Campbell, P.E.  
Agent of Combustion Engineering

PROFESSIONAL SEAL  
(IF APPROPRIATE)

SIGNATURE:  
*Kenneth W Campbell*

DATE SIGNED:  
April 28, 1995

AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA  
STATE OF MAINE  
COUNTY OF CUMBERLAND

I, KENNETH W. CAMPBELL, being duly sworn, according to law, depose and say that I ~~am~~ <sup>the applicant</sup> ~~am an officer or official of the applicant~~ (have the authority to make this application) and that the plans, reports and documents submitted as part of the application are true and correct to the best of my knowledge and belief.

SWORN AND SUBSCRIBED TO BEFORE ME THIS

1 DAY OF MAY 19 95  
*Edna M. Frost*  
Notary Public

*Kenneth W Campbell*  
Signature of Applicant or Responsible Official

P. EROSION AND SEDIMENTATION CONTROL PLANS (To be Completed By Appropriate Conservation District)

DATE PLAN SUBMITTED: 5/3/95 DATE REVISIONS SUBMITTED: 5/12/95 DATE APPROVED: 5/12/95

SIGNATURE OF AUTHORIZED REPRESENTATIVE OF THE APPROPRIATE CONSERVATION DISTRICT:

Signature *Julian M. ...* Name and Official Title E/S ... Date 5/3/95

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF LAND & WATER CONSERVATION

OFFICIAL USE ONLY  
PA 310W058

**TRANSFeree / CO-PERMITTEE APPLICATION  
FOR AN INDIVIDUAL NPDES PERMIT FOR DISCHARGES  
OF STORM WATER FROM CONSTRUCTION ACTIVITIES**

**- OR -  
FOR COVERAGE UNDER THE PENNSYLVANIA GENERAL NPDES PERMIT  
FOR DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITIES**

A. CURRENT PERMITTEE OR FACILITY OWNER NAME:	B. TRANSFeree / CO-PERMITTEE NAME: (Applicant)		
TELEPHONE NUMBER:	TELEPHONE NUMBER:		
MAILING ADDRESS:	MAILING ADDRESS:  <input type="checkbox"/> Check here if applying to be named as the permit transferee. <input type="checkbox"/> Check here if applying to be added as a co-permittee.		
C. INDIVIDUAL OR GENERAL NPDES PERMIT FOR DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITIES FOR WHICH APPLYING AS TRANSFeree / CO-PERMITTEE. PERMIT NO. _____ DATE ISSUED _____			
D. DEVELOPMENT NAME (IF APPLICABLE): _____			
E. FACILITY LOCATION: MUNICIPALITY: _____ COUNTY: _____			
F. EXISTING PERMITS: Include Earth Disturbance, NPDES or any other environmental quality permits of the Transferee / Co-Permittee.			
Type of Permit	Permit No.	Date Issued	Issued By
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
G. TRANSFER AGREEMENT: Attach a written agreement signed by all parties involved in the change of ownership and/or operational control which provides a specific date (not less than 30 days after the date this application is submitted) for the transfer of permit responsibility, coverage, and liability between the current and new owners/permittees.			
H. DATE OF TRANSFER OF PERMIT RESPONSIBILITY, COVERAGE, AND LIABILITY: _____, 19____			
I. TRANSFeree / CO-PERMITTEE CERTIFICATION: I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that the Best Management Practices (BMPs), including the Erosion and Sedimentation (E & S) Control Plan, and other storm water pollution prevention and minimization strategies are or will be designed, implemented, installed, and maintained in accordance with the Individual or General NPDES permit requirements, as applicable, to ensure that water quality standards and effluent limits are attained. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and I have read, understand, and agree to abide by the terms and conditions of the permit.			
Name and Official Title: _____		Professional Seal (If appropriate)	
Signature: _____		Date Signed: _____, 19____	
NOTARIZATION		COMMONWEALTH OF PENNSYLVANIA, COUNTY OF _____	
Sworn to and subscribed to before me this _____ day of _____, 19____.			
_____ Notary Public		My Commission Expires: _____	



DRAFT AGREEMENT  
ASSUMPTION OF RESPONSIBILITY  
UNDER PERMIT FOR DISCHARGE  
OF STORMWATER FROM CONSTRUCTION ACTIVITIES  
CO-PERMITTEE

\_\_\_\_\_ (Permit Number)

\_\_\_\_\_ (Name of Activity)

\_\_\_\_\_ (Local Municipality)

\_\_\_\_\_ (County)

In accordance with the provisions of Part B, Section (d) of the above-referenced permit,       (co-permittee)       hereby assumes, effective       (DATE)       joint and severable responsibility, coverage and liability under the permit for any obligations, duties, responsibilities and violations under said permit.

      (Current Permittee)       shall remain liable under the permit for violations of the permit up to and until       (DATE)      .

\_\_\_\_\_  
(Current Permittee)

\_\_\_\_\_  
(Co-Permittee)



November 6, 1995

Mr. John L. Kosky, Jr.  
214 Hickory Grade Road  
Bridgeville, Pennsylvania, 15017

RE: C-E Cast Facility, Muse, Cecil Township, Pennsylvania

Dear Mr. Kosky,

Thank you for the opportunity to meet with you at the plant site November 1, 1995. As discussed, ABB Environmental Services, Inc. (ABB-ES) is under contract to manage the closure and cleanup of the plant facility. During the final cleanup ABB-ES conducted a geophysical survey of portions of the property and found evidence that there may be some barrels of chemicals that encroach on your side of the property line. The Pennsylvania Department of Environmental Protection (PADEP) Project Manager, who is overseeing the plant closure, would like us to remove these barrels and any affected soils during the cleanup currently underway.

Therefore, it is proposed that these drums of chemicals be removed, over-packed and disposed of off site, and the affected soils be treated, cleaned and disposed of on site, in accordance with the project work plan and current regulations of the Commonwealth of Pennsylvania (Act II of 1995). Further, it is understood that the portion of the property disturbed by these activities would be regraded, covered with vegetative soil, seed and mulched in accordance with the project work plan filed with PADEP, Washington County Conservation Commission and Cecil Township.

The area of concern, estimated to be approximately one-half acre, is in the northwest portion of your property, running westerly from the intermittent stream to the property line with Combustion Engineering, Inc., as described in the deed now or formerly of Vincent White, Deed Book 1370 page 76. ABB-ES may be required by PADEP to conduct further investigation and/or testing of the soils and groundwater

ABB Environmental Services, Inc.



as a result of the plant closure, and understands that you will allow access for these activities also.

Please signify your consent by signing and returning one copy to me.

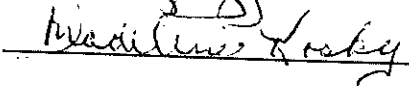
Should there be any other questions, kindly contact our office in Portland, Maine, at 207 775-5401.

Sincerely,  
ABB ENVIRONMENTAL SERVICES, INC.

*Kenneth W Campbell*  
Kenneth W. Campbell P. E.  
Principal Project Manager

Agreed and Consented To:

John Kosky, Jr. 

Madeline Kosky 

Dated: November 12, 1995

At: Bridgeville, Pennsylvania

**FINAL GRADING AND EROSION CONTROL PLAN**

---

**ABB Environmental Services, Inc.**