

# **Federal Energy Regulatory Commission Environmental Report, Exhibit F-1**

T. W. Phillips Pipeline Corp.  
Bionol Clearfield Pipeline Project  
Docket No. CP08-\_\_\_\_-000  
Clearfield County, Pennsylvania

GAI Project C080382.00, Task 004  
October 2008

Submitted By: T. W. Phillips Pipeline Corp.  
502 Keystone Drive  
Warrendale, Pennsylvania 15086

Prepared By: GAI Consultants, Inc.  
Pittsburgh Office  
385 East Waterfront Drive  
Homestead, Pennsylvania 15120-5005



**VOLUME I OF II  
PUBLIC INFORMATION**

# **Federal Energy Regulatory Commission Environmental Report, Exhibit F-1**

T. W. Phillips Pipeline Corp.  
Bionol Clearfield Pipeline Project  
Docket No. CP08-\_\_\_\_-000  
Clearfield County, Pennsylvania

GAI Project C080382.00, Task 004  
October 2008

Submitted By: T. W. Phillips Pipeline Corp.  
502 Keystone Drive  
Warrendale, Pennsylvania 15086

Prepared By: GAI Consultants, Inc.  
Pittsburgh Office  
385 East Waterfront Drive  
Homestead, Pennsylvania 15120-5005



**VOLUME II OF II  
PRIVILEGED INFORMATION - DO NOT RELEASE**

## TABLE OF CONTENTS

- 1.0 RESOURCE REPORT 1 - GENERAL PROJECT DESCRIPTION
- 2.0 RESOURCE REPORT 2 - WATER USE AND QUALITY
- 3.0 RESOURCE REPORT 3 - VEGETATION AND WILDLIFE
- 4.0 RESOURCE REPORT 4 - CULTURAL RESOURCES
- 5.0 RESOURCE REPORT 5 - SOCIOECONOMICS
- 6.0 RESOURCE REPORT 6 - GEOLOGICAL RESOURCES
- 7.0 RESOURCE REPORT 7 - SOILS
- 8.0 RESOURCE REPORT 8 - LAND USE, RECREATION, AND AESTHETICS
- 9.0 RESOURCE REPORT 9 - AIR AND NOISE QUALITY
- 10.0 RESOURCE REPORT 10 - ALTERNATIVES
- 11.0 RESOURCE REPORT 11- RELIABILITY AND SAFETY
- 12.0 RESOURCE REPORT 12 - PCB CONTAMINATION
- 13.0 RESOURCE REPORT 13 - ADDITIONAL INFORMATION RELATED TO LNG PLANTS

## LIST OF TABLES

<b>Number</b>	<b>Title</b>
1.1-1	Pipeline and Aboveground Facilities
1.2-1	Land Requirements for Pipeline and Aboveground Facilities
1.3-1	Roads and Railroads Crossed by the Pipeline
1.6-1	Permits and Approvals Applicable to the Project
1.7-1	Affected Landowners
2.1-1	Private Water Supply Wells within 150 Feet of the Construction Work Area
2.1-2	Contaminated Waterbodies Within the Construction ROW of the Project
2.2-1	Waterbodies Within the Construction ROW of the Project
2.2-2	Facilities - Hydrostatic Test Water Volumes
2.3-1	Wetlands Within the Construction ROW of the Project
2.3-2	Summary of Wetlands Affected by Construction and Operation of the Pipeline
3.1-1	Representative Game and Commercial Fish Species for Project Area Waterbodies
3.3-1	Estimated Clearing of Forest Vegetation Cover Type
3.4-1	Federal-Listed and State-Listed Endangered and Threatened Species that Potentially Occur in the Vicinity of the Project
6.1-1	Surficial Geologic Formations Intersected by the Pipeline and Facilities
6.2-1	Areas that May Require Blasting Along the Pipeline
7.1-1	Soil Associations and Milepost Locations of Major Soil Limitations for the Project

## LIST OF TABLES (Continued)

<b>Number</b>	<b>Title</b>
7.1-2	Total Pipeline Distance Crossed for Each Category of Soil Limitation for the Project
8.1-1	Land Crossed by the Pipeline
8.1-2	Acreage Affected by Construction and Operation of the Project
8.1-3	Existing ROWs Intersected by or Parallel to the Project
8.1-4	Temporary Extra Work Space Required for the Project
8.1-5	Access Roads Required for the Project
8.1-6	Acreage Affected by Construction and Operation of the Aboveground Facilities
9.1-1	Construction Equipment Air Emissions
10.3-1	Environmental Factors that May be Considered for Analysis of Route Alternatives/Variations
11.3-1	Service Incidents by Cause, Significant Incident Details 1988 Through 2008

## LIST OF FIGURES

<b>Number</b>	<b>Title</b>
1.1-1	Regional Location Map
1.1-2	USGS Topographic Site Location Map (Sheet 1 of 2)
1.1-3	USGS Topographic Site Location Map (Sheet 2 of 2)
1.1-4	Metering Station Site Plan
1.1-5	Regulating Station Site Plan
6.4-1	2008 United States National Seismic Hazard Map
10.3-1	Preferred and Alternative Route Location Map with Topographical Background, Sheet 1 of 2
10.3-2	Preferred and Alternative Route Location Map with Topographical Background, Sheet 2 of 2
10.3-3	Preferred and Alternative Route Location Map with Aerial Background, Sheet 1 of 2
10.3-4	Preferred and Alternative Route Location Map with Aerial Background, Sheet 2 of 2

## LIST OF APPENDICES

<b><u>Appendix</u></b>	<b><u>Title</u></b>
1-A	Construction Alignment Sheets
1-B	Proposed Pipeline Typical Construction Diagrams
1-C	Erosion and Sedimentation Control Plan
1-D	Horizontal Directional Drill Work Plan and Contingency Plan
2-A	Spill Prevention, Containment and Control Plan for Construction Activities
2-B	Typical Waterbody Crossing Methods
3-A	Correspondence
3-B	Wetland Delineation and Stream Identification Report
3-C	Indiana Bat Mist Net Survey Report
3-D	Timber Rattlesnake Habitat Report
3-E	Allegheny Plum Report
4-A	Correspondence
4-B	Phase I Archaeological Survey Report, Bionol Clearfield Pipeline Project, Clearfield County, Pennsylvania
4-C	Unanticipated Discoveries Plan
6-A	Recommended Site-Specific Blasting Plan
8-A	Environmental Complaint Resolution Procedure
9-A	Noise Impact Analysis