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"PRODUCTION OF MILD GASIFICATION CO-PRODUCTS" PROJECT

TECHNICAL PROGRESS REPORT
Through March, 1993

April 30, 1993

Work performed Under Contract No. DE-AC21-91MC27240

For:
U.S. Department of Energy
Morgantown Energy Technology Center
Morgantown, West Virginia

By:
SGI Fuels, Inc.

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QUARTERLY TECHNICAL PROGRESS REPORT
FIRST QUARTER 1993

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1.0 INTRODUCTION

This Quarterly Technical Progress Report for Contract DE-AC21 91MC27240 covers the period from January 1, 1993 to March 31, 1993.

2.0 COAL AND COPRODUCT PRODUCTION

Progress continues for work on Option: Item 2 related to production of the coproduct samples for the four coals from three coal regions. Following our internal schedule for the processing of the four coals, specific mine selection, taking samples, processing of the feedstock to coproducts, packaging and potential shipment to designated laboratories has occurred and is on going as defined below.

2.1 Buckskin Mine Coal (Wyoming, Powder River Basin, Coal)

The results of the test and analysis of the feedstock, and coproduct samples of the Buckskin Coal, which were developed by the Commercial Laboratory, were received by the SGI Development Center. This information was incorporated into a preliminary report and delivered to SGI Fuels in October of 1992.

The feedstock and coproduct samples which were not delivered last year remained in inventory at the SGI Development Center through this report period.

2.2 Knife River Mine Lignite (Beulah Zap, North Dakota Lignite)

The results of the test and analysis of the feedstock, and coproduct samples of the Knife River Lignite, which were developed by the Commercial Laboratory, were received by the SGI Development Center. This information was incorporated into a preliminary report and delivered to SGI Fuels in January 1993.

The feedstock and coproduct samples which were not delivered last year remained in inventory at the SGI Development Center through this report period.

2.2 Sarpy Creek Mine Coal (Montana Rosebud, Powder River Basin Coal)

The Sarpy Creek Coal was finished processing in January. Samples of the feedstock, PDF and CDL were shipped to the Commercial Laboratory for test and characterization. A preliminary report based on the results from the Commercial Laboratory was delivered to SGI Fuels in February, 1993.

The feedstock and coproduct samples for delivery to the Government Laboratories remained in inventory at the SGI Development Center through this report period.

2.3 Usibelli Mine Coal (Alaska Coal)

The Usibelli Coal was taken on December 9, 1992. The sample arrived at the SGI Development Center in January, 1993, and production of the coproduct samples began in February. The processing of the Usibelli Coal was completed in March, and feedstock, PDF and CDL were shipped to the Commercial Laboratory for test and characterization. The preliminary report of this coal is expected to be delivered to SGI Fuels in April, 1993.

The feedstock and coproduct samples for delivery to the Government Laboratories remained in inventory at the SGI Development Center through this report period

4.0 CONTRACT MODIFICATION

Contract Modification 003 is expected by April 2, 1993 to extend the contract completion date until January 4, 1994.

The prenegotiated Option: Item 3 is still open and awaiting METC's decision to be exercised. This modification will add a Texas Lignite, a West Virginia Bituminous, and an Illinois Bituminous to the four coals that have been processed and have coproducts ready for delivery.

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