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March 19, 2019

Ms. Tonowa M. Troupe, Secretary  
Public Utilities Commission of Ohio  
180 E. Broad Street, 11th Floor  
Columbus, OH 43215-3793

Re: Case No. 19-0638-EL-BGA  
South Field Energy LLC

Dear Ms. Troupe:

Accompanying this letter are hard copies of an Application for a First Amendment to the Certificate of Environmental Compatibility and Public Need for an electric generation facility granted to South Field Energy LLC ("SFE"). The original Application for a First Amendment to the Certificate was electronically filed.

SFE was granted a certificate of environmental compatibility and public need to construct a natural gas-fired combined-cycle electric generation facility in Columbiana County, Ohio on September 22, 2016 in Case No. 15-1716-EL-BGN.

In this Application for a First Amendment to the Certificate, SFE is proposing to slightly shift the southern boundary of the limit of disturbance for the facility, and to allow for the construction of an additional approximately 20-acre laydown yard on property owned by the Buckeye Water District.

In accordance with Rule 4906-2-04 of the Ohio Administrative Code, I would like to make the following declarations:

Name of the applicant:

South Field Energy LLC  
c/o Advanced Power Services (NA) Inc.  
31 Milk Street, Suite 1001  
Boston, MA 02109

# VORYS

Legal Counsel

Ms. Tonoway M. Troupe, Secretary

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Name of the proposed facility and location:

South Field Energy  
Madison Township  
Yellow Creek Township  
Columbiana County, Ohio

Name of the authorized representative:

Michael J. Settineri  
MacDonald W. Taylor  
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[mjsettineri@vorys.com](mailto:mjsettineri@vorys.com)  
[mwtaylor@vorys.com](mailto:mwtaylor@vorys.com)

Notarized Statement:

See attached Affidavit of Julie Paonessa,  
Officer, South Field Energy LLC

Very truly yours,

/s/ Michael J. Settineri

Michael J. Settineri  
Attorney for South Field Energy LLC

MJS

Enclosures

BEFORE THE OHIO POWER SITING BOARD

In the Matter of the Application of )  
South Field Energy LLC for a First )  
Amendment to the Certificate of ) Case No. 19-0638-EL-BGA  
Environmental Compatibility and Public )  
Public Need Issued in )  
Case No. 15-1716-EL-BGN )

OFFICER'S AFFIDAVIT

COMMONWEALTH OF MASSACHUSETTS )  
 ) SS:  
COUNTY OF SUFFOLK )

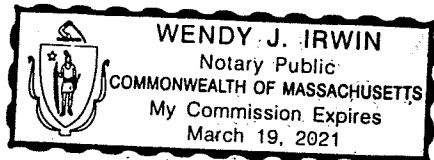
Now comes Julie Paonessa, the Treasurer of South Field Energy LLC, having been first duly sworn, declares and states as follows:

1. She is an officer of South Field Energy LLC which is developing and constructing the South Field Energy natural gas-fired combined-cycle generating facility to be located in Columbiana County, Ohio.
2. She has reviewed the Application of South Field Energy LLC for a First Amendment to its Certificate Issued in Case No. 15-1716-EL-BGN, the "Application for a First Amendment."
3. To the best of her knowledge and belief, the information contained in the Application for a First Amendment is complete and correct.

Signature: \_\_\_\_\_

Julie Paonessa  
Treasurer  
South Field Energy LLC

Sworn to before me and signed in my presence this 19 day of March, 2019.



*Wendy J. Irwin*  
Notary Public  
My Commission Expires March 19, 2021

**BEFORE THE OHIO POWER SITING BOARD**

<b>In the Matter of the Application of</b>	)	
<b>South Field Energy LLC for a First</b>	)	
<b>Amendment to the Certificate of</b>	)	<b>Case No. 19-0638-EL-BGA</b>
<b>Environmental Compatibility and Public</b>	)	
<b>Public Need Issued in</b>	)	
<b>Case No. 15-1716-EL-BGN</b>	)	

**APPLICATION FOR FIRST AMENDMENT OF CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED ISSUED IN CASE  
NO. 15-1716-EL-BGN**

**SUBMITTED BY SOUTH FIELD ENERGY LLC**

**MARCH 19, 2019**

## INTRODUCTION

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South Field Energy LLC (“SFE”) is certified to construct the South Field Energy facility, a new dual fuel-fired combined cycle generating facility located in Columbiana County, Ohio (the “Facility”). SFE filed an application for a certificate of environmental compatibility and public need for the Facility on December 7, 2015. The Ohio Power Siting Board (the “Board” or “OPSB”) issued an Opinion, Order and Certificate in Case No. 15-1716-EL-BGN on September 22, 2016 approving the construction and operation of the Facility (the “Certificate”). Construction under the Certificate commenced on August 27, 2018.

Through the current application, SFE seeks an amendment to the Certificate to shift the southern boundary of the limit of disturbance for the Facility Site (in Yellow Creek Township) approximately 60 feet on the east end of the Facility site and 152 feet on the west end to accommodate topsoil laydown (the “LOD Expansion”). The expanded Facility Site was previously part of the study area for the project, and no impacts to wildlife or wetlands will result from the use of the expanded area.

SFE also seeks an amendment to allow for the construction of an additional nominal 20-acre temporary laydown yard. The temporary laydown yard will be located in Madison Township, Columbiana County, on open ground currently owned by the Buckeye Water District (“Temporary BWD Laydown”) and previously utilized in part by the Buckeye Water District for the construction of its water filtration plant and associated facilities. Any wetland areas will be avoided and therefore not impacted by the construction of the Temporary BWD Laydown. Also, the Temporary BWD Laydown will not impact any agricultural land. In addition to the Temporary BWD Laydown,

construction of the Facility will also continue to use the temporary laydown yard identified in the initial application (the “Construction Laydown Site”).

Supplemental figures (Figures 1, 2, and 3) have been provided with this amendment application demonstrating both the LOD Expansion and the development and proposed use of the Temporary BWD Laydown. Figure 1 shows the Facility layout and the relative location of the two amendment subject areas.

SFE proposes no changes to the Certificate as part of this application. Rather, SFE proposes that the Facility Site as expanded and the additional Temporary BWD Laydown will fully comply with all of the Stipulations and Conditions set forth in Sections V.C and VI of the Certificate.

Relevant information on the proposed amendments is organized under the rules in place at the time of the original Certificate application filing.

**(A) FACILITY SUMMARY AND OVERVIEW**

SFE is currently building and will operate the Facility. The areas subject to this amendment consist of open, grassy areas for which no tree clearing is required. These areas (one an expansion of the Facility limits of disturbance boundary and the other approximately 20-acres on Buckeye Water District property) will be utilized to support construction of the Facility.

**(1) General Purpose of the Facility**

The general purpose of the Facility remains as presented in the initial Certificate application. The purpose of this amendment is to temporarily expand the Facility southern limits of disturbance boundary and develop and add a temporary laydown yard for the project's general contractor (Bechtel).

**(2) Description of the Facility**

While the permanent Facility description remains as presented in the initial Certificate application, this amendment calls for expansion of the Facility Site's southern limits of disturbance to allow for temporary stockpiling of soil – see Figures 1 and 2 (the “LOD Expansion”). This amendment also addresses the addition of a nominal 20-acre temporary laydown area that will be created and utilized by Bechtel during the course of construction of the Facility (“Temporary BWD Laydown”). The proposed Temporary BWD Laydown is shown on Figures 1 and 3 and will be located on property that Bechtel will lease from the Buckeye Water District (24-month lease). The Buckeye Water District (Buckeye Water or Buckeye) water treatment facility is located immediately to

the north of the Facility. The area proposed for this laydown is an open area immediately adjacent to Hillcrest Road (State Route 45) with existing driveway access.

**(3) Site Selection Process**

This amendment does not modify the Facility site selection process as presented in the initial Certificate application for the permanent Facility.

**(4) Principal Environmental and Socioeconomic Considerations**

The principal environmental and socioeconomic considerations remain as presented in the initial Certificate application; the LOD Expansion and Temporary BWD Laydown do not change that information. Additional studies or assessments which are required for the LOD Expansion and/or Temporary BWD Laydown shall be performed as discussed later in this application.

**(5) Facility Schedule**

The Facility is currently scheduled to commence commercial operation in 2021.



**(A) DETAILED DESCRIPTION OF PROPOSED GENERATION AND ASSOCIATED FACILITIES**

To support development of the Facility, the southern limits of disturbance (LOD) need to be extended approximately 60 feet on the east end of the Facility site and 152 feet on the west end to accommodate topsoil laydown – see Figure 2. During construction it will be necessary to stockpile approximately 10,000 cubic yards of topsoil from the active construction site that will eventually be used to restore parking areas and laydown yards at the end of the construction period. The plan is to maintain the natural grade in the area and seed this topsoil, which will stabilize the area until the topsoil is re-excavated for final restoration purposes at the end of the construction period.

In addition to this shift of the southern LOD, an additional laydown area is needed to support construction of the Facility. This construction support facility is a nominal 20-acre area located on the Buckeye Water District property to the north along Hillcrest Avenue (State Route 45) – see Figure 1. Figure 3 shows the layout of internal roads and storage areas in the Buckeye laydown yard. Construction equipment, construction supplies, and permanent plant equipment, structural materials, piping, and other materials will be stored temporarily in this area.

**(1) Facility Details**

**(a) Generating Units**

This amendment does not modify the description of the Facility generating units remains as presented in the initial Certificate application.

**(b) Land Area Requirements**

This amendment does not modify the description of the Facility's land area requirements as presented in the initial Certificate application with the exception of the LOD Expansion and the Temporary BWD Laydown (see Figures 1, 2 and 3).

**(c) Fuel Quantity and Quality**

This amendment does not modify the description of the Facility's fuel quantity and quality as presented in the initial Certificate application.

**(d) Plant Emissions**

This amendment does not modify the Facility's impacts on air quality during construction and operation as presented in the initial Certificate application.

**(e) Water Requirements**

This amendment does not modify the description of the Facility's water requirements as presented in the initial Certificate application.

**(f) Water Discharge Requirements**

This amendment does not modify the description of the Facility's water discharge requirements as presented in the initial Certificate application.

**(2) Description of Major Equipment**

This amendment does not modify the description of the Facility's major equipment as presented in the initial Certificate application.

**(3) Transmission Line Interconnect**

This amendment does not modify the description of the Facility's transmission line interconnect as presented in the initial Certificate application.

**(4) New Natural Gas Transmission Line**

This amendment does not modify the description of the Facility's natural gas transmission line as presented in the initial Certificate application.

**(B) DETAILED FACILITY SCHEDULE**

**(1) Schedule**

The LOD Expansion will be developed on an as-needed basis during the initial course of construction and stabilized via seeding. Final reclamation of the soil will occur in the final stages of construction and the impacted area will be restored to pre-development contours and vegetation.

The anticipated follow-on summary schedule of the Temporary BWD Laydown development activities is provided in Figure 4. Use of this area as a laydown area will cease during the final phases of construction. The terms of restoration of this area shall be as mutually agreed upon and negotiated with Buckeye Water District under the Temporary BWD Laydown lease agreement. Upon termination of the Temporary BWD Laydown lease agreement, Buckeye Water District will retain responsibility for this area's future use and related maintenance.

**(2) Necessity to Maintain Schedule**

This amendment does not modify the information in this section as presented in the initial Certificate application

**(A) SITE SELECTION STUDY**

This amendment does not modify the description of the Facility site selection as presented in the initial Certificate application for the permanent Facility.

**(B) SUMMARY TABLE OF EVALUATED SITES**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(C) ADDITIONAL SITE SELECTION STUDIES**

This amendment does not modify the information in this section as presented in the initial Certificate application for the permanent Facility.

**(A) SITE**

**(1) Geography and Topography**

This amendment does not modify the description of the permanent Facility's geography and topography as presented in the initial Certificate application.

**(2) Aerial Photograph**

This amendment does not modify the information in this section as presented in the initial Certificate application for the permanent Facility.

**(3) Site Mapping**

Figure 1 shows the LOD Expansion, where temporary soil stockpiles will be maintained during construction at the southern Facility boundary, before this area is returned to its pre-development contours and vegetation. Figure 3 presents a map showing topographic contours, including water features and existing structures for the proposed Temporary BWD Laydown. The Temporary BWD Laydown takes advantage of existing, open areas and there is no need for tree cutting. This amendment does not modify other information in the initial Certificate application with respect to Site Mapping as presented.

**(4) Geology and Seismology**

This amendment does not modify the description of the permanent Facility site geology and seismology as presented in the initial Certificate application. That is, the LOD Expansion and Temporary BWD Laydown are also located in the Muskingum-Pittsburgh Plateau of the Appalachian Highlands Physiographic Region. This section is

defined by moderate to high relief plateau having broad major valleys that are dissected by smaller streams. The bedrock at the Site belongs to the Conemaugh group of Pennsylvanian age. The Conemaugh group is defined at the top by the bottom of the Pittsburgh coal seam and at the bottom by the Upper Freeport coal seam and is primarily composed of alternating sequences of shale, sandstone, siltstone, claystone, limestone, and minor coals. Accordingly, the soil is anticipated to be suitable for the proposed activities on the LOD Expansion and the Temporary BWD Laydown. Note also that there are no active or abandoned surface or deep mines known to be present on the Temporary BWD Laydown site.

**(5) Hydrology and Wind**

**(a) Characteristics of Directly Affected Waterbodies**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(b) Potential for Flooding or High Wind Conditions**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(c) Aquifer Mapping**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(B) LAYOUT AND CONSTRUCTION**

This amendment does not modify the information in this section as presented in the initial Certificate application for the permanent Facility.

**(1) Site Activities**

**(a) Test Borings**

This amendment does not modify the information in this section as presented in the initial Certificate application for the permanent Facility.

**(b) Removal of Vegetation**

The addition of the Temporary BWD Laydown and the LOD Expansion will contribute an additional 18 acres of temporary impacted property to the overall project total as presented in the initial certificate application. The Temporary BWD Laydown will temporarily impact approximately 16 acres, while the LOD Expansion will temporarily impact approximately 2 acres. Both the LOD Expansion and the Temporary BWD Laydown are open, grassy areas and do not require any tree clearing.

**(c) Grading and Drainage**

This amendment does not modify the information in this section as presented in the initial Certificate application. Note that a Stormwater Pollution Prevention Plan (SWPPP) reflecting appropriate BMPs will also be developed for the Temporary BWD Laydown. The southern stockpile area will be covered by modification of the main Facility SWPPP.



**(d) Access Roads**

This amendment does not modify the information in this section as presented in the initial Certificate application for the permanent Facility. Access to the Temporary BWD Laydown will be maintained via an existing permanent access drive also used for the Buckeye Water District's water treatment facility.

**(e) Removal and Disposal of Debris**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(f) Post-Construction Reclamation**

This amendment does not modify the information in this section as presented in the initial Certificate application for the permanent Facility.

**(2) Layout**

The layouts for the LOD Expansion and Temporary BWD Laydown are shown in Figures 1 and 3, respectively.

**(3) Structures**

**(a) Dimensions**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(b) Construction Materials**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(c) Color and Texture**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(d) Pictorial Sketches**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(e) Unusual Features**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(4) Plans for Construction**

This amendment does not modify the information for this section as presented in the initial Certificate application.

**(5) Future Plans**

This amendment does not modify the information for this section as presented in the initial Certificate application.

**(C) EQUIPMENT**

This amendment does not modify the information for this section as presented in the initial Certificate application.

**(D) REGIONAL ELECTRIC POWER SYSTEM**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**4906-13-05 Financial Data**

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This amendment does not modify the information in this section as presented in the initial Certificate application.

**4906-13-06 Environmental Data**

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**(A) GENERAL**

This section provides an assessment of the environmental effects specifically relating to air quality, water quality, and waste generation/disposal associated with the proposed Facility. Instances where existing data have been substituted for physical measurements are indicated, as applicable, below.

**(B) AIR**

This amendment does not modify the information for this section as presented in the initial Certificate application.

**(C) WATER**

This amendment does not modify the information for this section as presented in the initial Certificate application, with the exception that prior to utilizing the Temporary BWD Laydown, a general NPDES permit and SWPPP for stormwater discharges associated with construction (Ohio EPA's Construction Stormwater General Permit #OHC000005) will be developed. The LOD Expansion will be addressed by modification of the main Facility SWPPP.

**(D) SOLID WASTE**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**4906-13-07 Social and Ecological Data**

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The data presented in this section is specific to the LOD Expansion and Temporary BWD Laydown.

**(A) HEALTH AND SAFETY**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(B) ECOLOGICAL IMPACT**

**(1) Site Information**

**(a) Mapping**

Fig. 07-4 in the initial Certificate application shows land use for the proposed Temporary BWD Laydown and the LOD Expansion, and reflects land use within a 1 mile radius of the Facility Site.

**(b) Vegetation Survey**

A vegetation survey will be conducted for the Temporary BWD Laydown prior to use. This survey is expected to be consistent with the survey conducted for the Facility Site, which is contiguous to the Buckeye property. Wetland information presented in the initial Certificate application will be augmented by wetland surveys on the Temporary BWD Laydown prior to use of the laydown yard. No streams are known to be present on the Temporary BWD Laydown site. The vegetation survey for the Facility Site is applicable for the LOD Expansion as that area was included in the initial vegetation survey. No wetlands or streams are present in the LOD Expansion, and thus, the information remains as presented in the initial Certificate application.

**(c) *Species Survey***

A species survey will be conducted for the Temporary BWD Laydown prior to its use. The results of this survey are anticipated to be similar to the survey conducted for the Facility site given its proximity to the original survey area. The conclusions in the initial Certificate application are assumed to be applicable to the Temporary BWD Laydown and LOD Expansion, given the proximity of those areas to the Facility Site.

For example, the July 1, 2015 original species correspondence from the ODNR addressed a review area that includes the area for the Temporary BWD Laydown (and the LOD Expansion). Tree clearing will not occur at either the Temporary BWD Laydown or LOD Expansion, further minimizing any impact on bat species (addressed for the Facility Site in the USFWS June 16, 2015 response). Thus, the information in this section is not anticipated to be different than as presented in the initial Certificate application.

**(d) Ecological Study**

*Wetland Assessment* – While an initial wetland delineation survey was conducted by EnviroScience (2015) for an area that included the Temporary BWD Laydown, an updated delineation survey will be performed on this subject parcel prior to the commencement of any construction work. SFE and its contractors shall avoid impacting the wetlands identified by the latest survey.

The LOD Expansion (largely grassed area) does not contain wetlands, nor does it contain obvious habitat areas.

*Ecological Impact Study Summary* – As wetlands will be avoided during development of the Temporary BWD Laydown, ecological impacts associated with development are expected to be minimal. The Temporary BWD Laydown will also be the subject of a follow-on threatened and endangered species review prior to development of the laydown area to confirm this expectation. No ecological impacts are expected from the temporary stockpiling of soil in the LOD Expansion area.

**(e) List of Major Species**

This amendment does not modify the information in this section as presented in the initial Certificate application for the Facility Site.

**(2) Construction**

**(a) Impact of Construction on Undeveloped Areas**

This amendment does not modify the information in this section as presented in the initial Certificate application. No resident wetlands will be impacted in the LOD Expansion or in the Temporary BWD Laydown. No tree clearing will take place in the LOD Expansion or in the Temporary BWD Laydown. Given the characteristics of the proposed LOD Expansion and Temporary BWD Laydown and their design, no significant impacts to ecological resources are expected to be encountered that would require special mitigation.

**(b) Impact of Construction on Major Species**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(c) Mitigation for Short-Term and Long-Term Construction Impacts**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(3) Operation**

**(a) Impact of Operation on Undeveloped Areas**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(b) Impact of Operation on Major Species**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(C) Economics, Land Use and Community Development**

This amendment does not modify the information in this section as presented in the initial Certificate application. Figure 07-4 of the initial Certificate application showed land uses for a study area that includes the area for the Temporary BWD Laydown (listed as institutional).

**(D) Cultural Impact**

**(1) Cultural Resource Mapping**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(2) Cultural Resource Impacts**

A portion of the LOD Expansion was part of the Facility site Phase I archeological survey and the Temporary BWD Laydown was part of a 2002 Phase I archeological survey for the Buckeye Water District treatment plant land acquisition. See 2002, *A Phase I Inventory and Archaeological Survey for the Water Treatment Plant*



*Land Acquisition: A 200 Acre Parcel in Madison and Yellow Creek Townships, Columbiana County, Ohio, American Archaeological Services LTD. Copy available for review from the Ohio History Connect.)*

Because the Temporary BWD Laydown was part of the area studied for the Buckeye Water District treatment plant land acquisition and due to the proximity of the LOD Expansion to the area studied for the Facility Site, no significant impact to the continued meaningfulness of registered landmarks of historic, religious, archaeological, scenic, natural or other cultural significance is anticipated. The location of the Temporary BWD Laydown along with its temporary use are not expected to result in impact to the preservation and continued meaningfulness of any identified landmarks. Likewise, the conclusions as to the Facility Site are expected to apply to the LOD Expansion, a portion of which was previously subject to a Phase I archeological survey.

**(3) Cultural Resource Landmarks**

No cultural resource landmarks or historic structures are located within the LOD Expansion or the Temporary BWD Laydown. Therefore, the analysis and conclusions in the initial Certificate application remain unchanged.

**(4) Land and Water Recreation Area Mapping**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(5) Land and Water Recreation Areas**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(6) Recreational Areas and Potential Impacts**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(7) Measures to Minimize Visual Impacts**

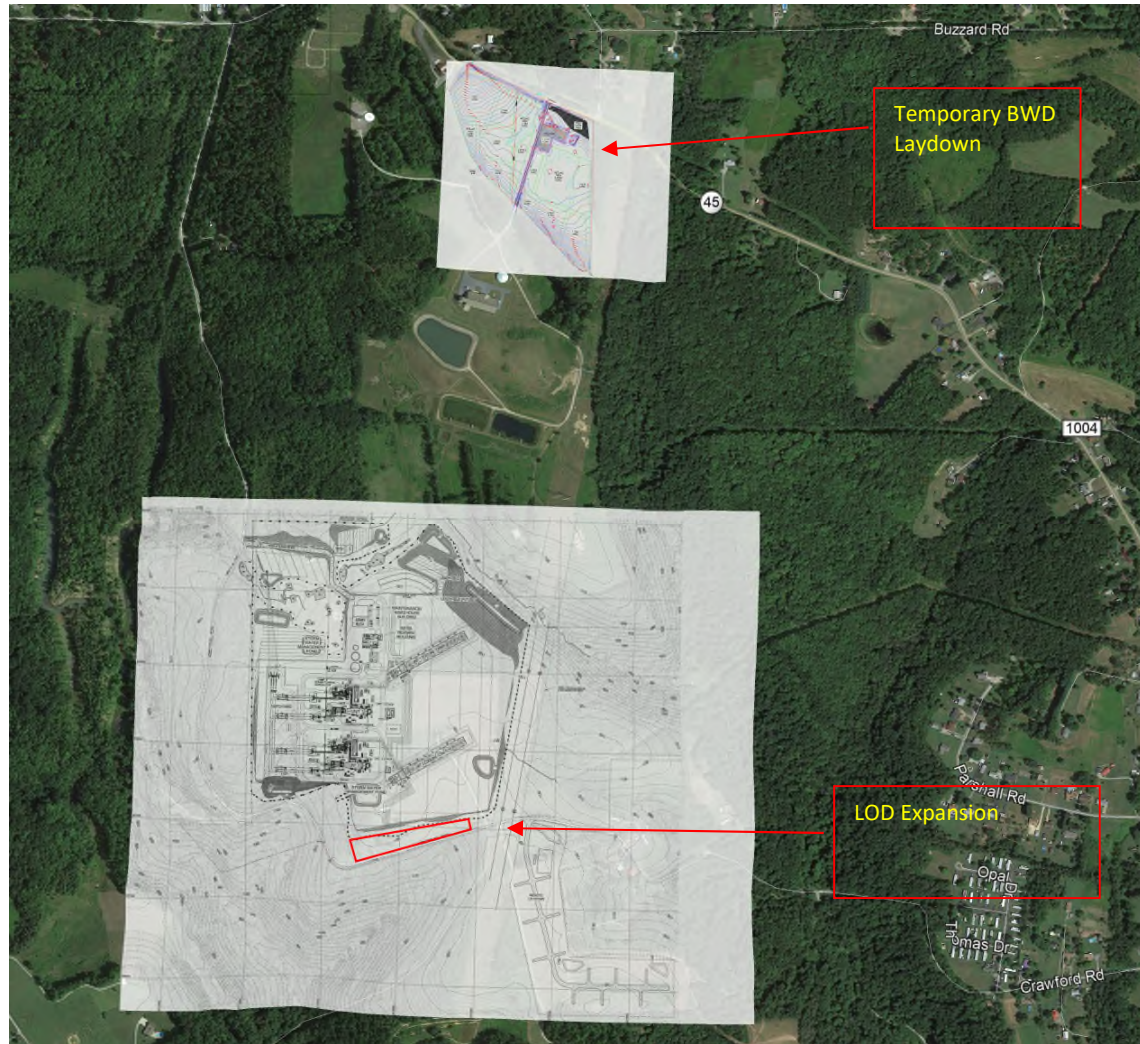
This amendment does not modify the information in this section as presented in the initial Certificate application.

**(E) Public Responsibility**

This amendment does not modify the information in this section as presented in the initial Certificate application.

**(F) AGRICULTURAL DISTRICT IMPACT**

This amendment does not modify the information in this section as presented in the initial Certificate application. Note that the LOD Expansion and Temporary BWD Laydown are currently open areas with no agricultural use.



**Figure 1 Facility Amendment Areas:  
LOD Expansion & Temporary BWD Laydown**

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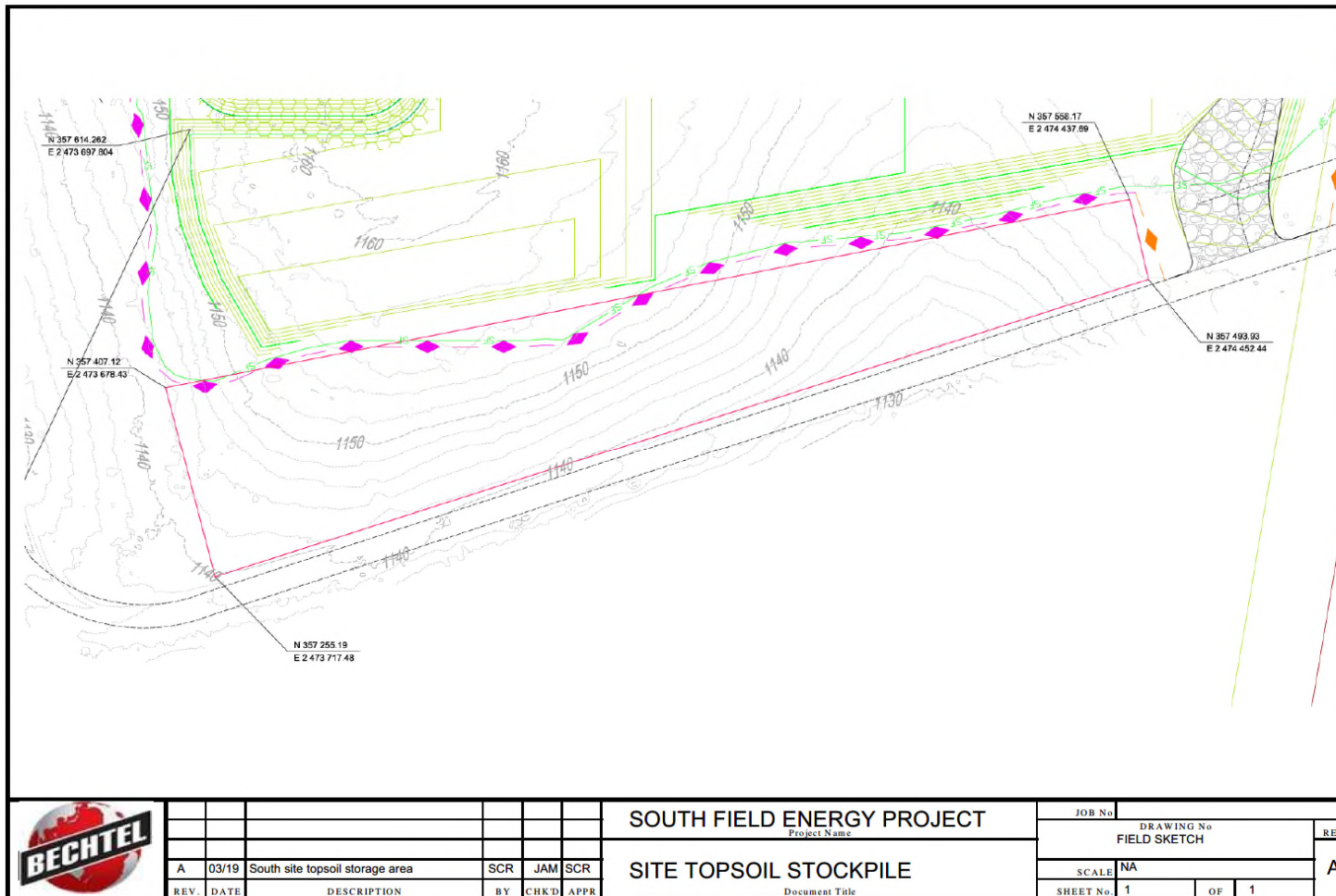


Figure 2 LOD Expansion – Facility Southern Boundary (see red box)

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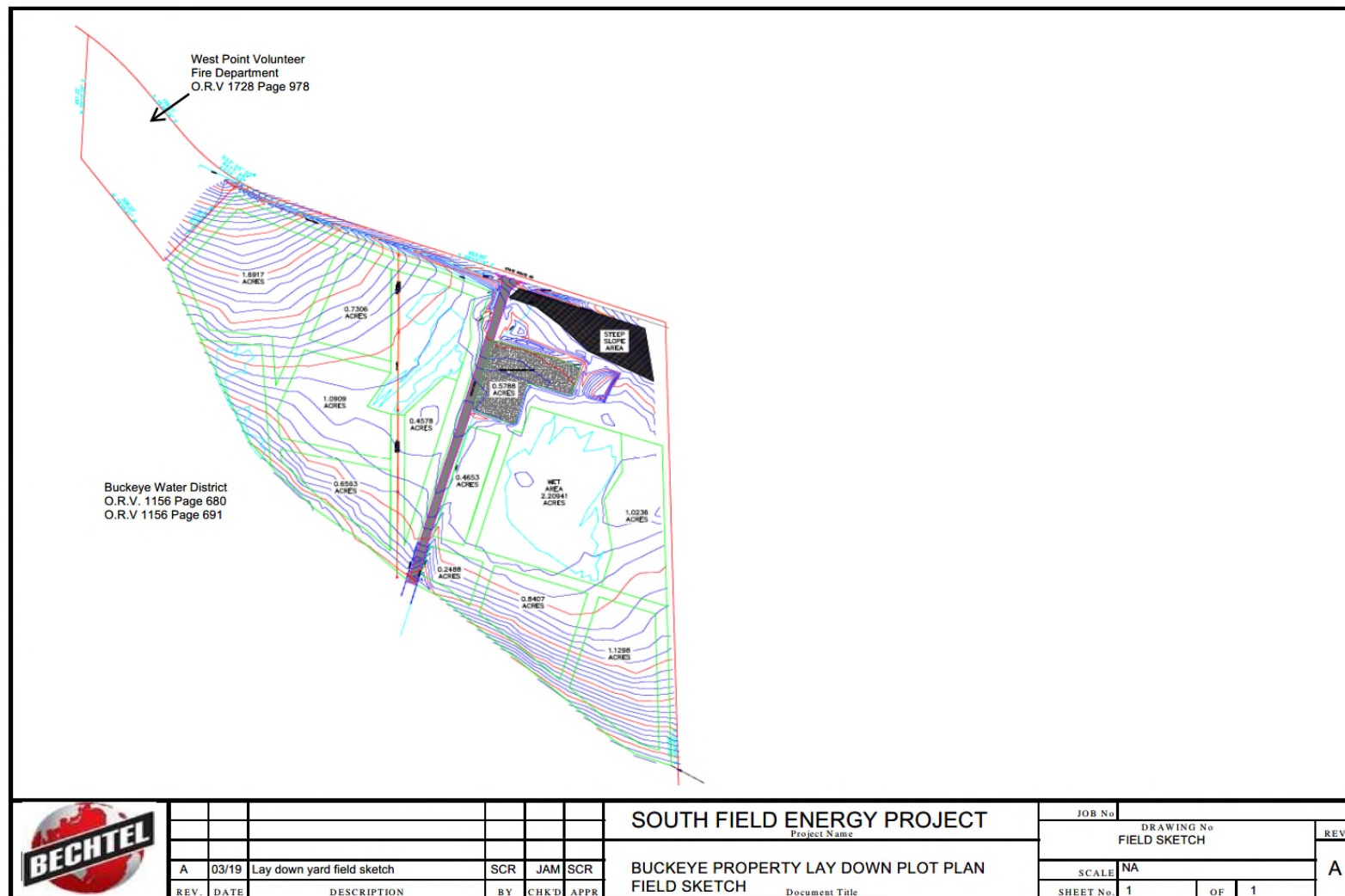
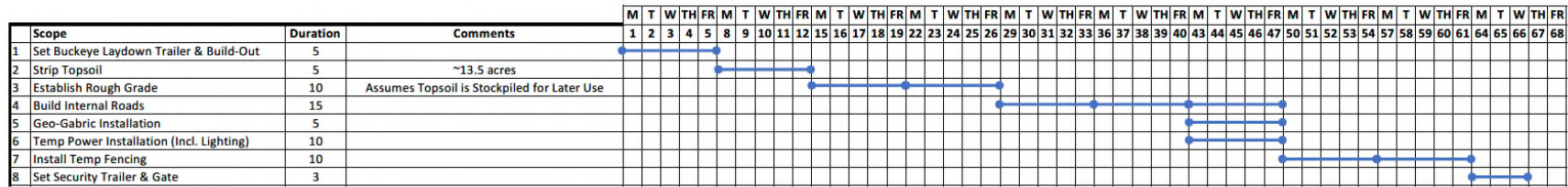


Figure 3 Temporary BWD Laydown Layout & Contours (~20 acres)



Buckeye Water Laydown Schedule.xlsx



\*\*Assumes 5-day work week

Figure 4 Temporary BWD Laydown Schedule

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**3/19/2019 5:01:14 PM**

**in**

**Case No(s). 19-0638-EL-BGA**

Summary: Application for First Amendment of Certificate electronically filed by Mr. Michael J. Settineri on behalf of South Field Energy LLC