



**ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING**

**CCR POST-CLOSURE PLAN**

AREA 3 RWS TYPE I LANDFILL, FP 77-04  
HOOSIER ENERGY REC, INC.  
MEROM GENERATING STATION  
SULLIVAN COUNTY, SULLIVAN, INDIANA

ATC PROJECT NO. 170LF00301

OCTOBER 14, 2016

PREPARED FOR:

HOOSIER ENERGY REC, INC.  
MEROM GENERATING STATION  
P.O. BOX 908  
BLOOMINGTON, INDIANA 47402-0908  
ATTENTION: LON PETTS

October 14, 2016

Lon Petts  
Hoosier Energy  
P.O. Box 908  
2501 South Cooperative Way  
Bloomington, Indiana 47403-5175

ATC Group Services LLC

7988 Centerpoint Dr.  
Suite 100  
Indianapolis, IN 46256

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**Re: Landfill CCR Post-Closure Plan**  
Merom Generating Station  
Area 3 Type I RWS Landfill  
Sullivan County, Sullivan, Indiana  
ATC Project No. 170LF00301

Dear Mr. Petts:

ATC is pleased to present the following CCR Post-Closure Plan for the Hoosier Energy Merom Generating Station Area 3 Type I Restricted Waste (RWS) Landfill. In order to comply with recent federal regulation of the CCR Rule, the following Post-Closure Plan will address all requirements set forth under 40 CFR §257.104.

The Post-Closure Plan provided contains a maintenance schedule for the final cover area including a list of the necessary tasks for monitoring, inspection and repair work.

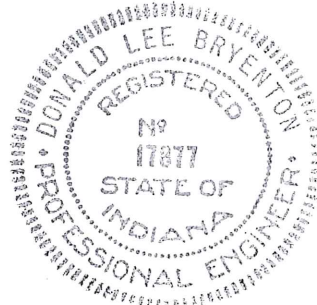
We appreciate the opportunity to assist you with this project. If you have any questions concerning information contained in this report, please do not hesitate to call the undersigned at 317.849.4990.

Sincerely,

**ATC Group Services LLC**

*Charles Dewes / Bm*  
Charles Dewes, E.I., CFM  
Project Engineer

*Donald Bryenton*  
Donald Bryenton, P.E.  
Principal Engineer



*David Stelzer*  
David Stelzer, PhD., P.E.  
Senior Project Engineer



## **CCR POST-CLOSURE PLAN**

### **HOOSIER ENERGY MEROM GENERATING STATION AREA 3 TYPE I RESTRICTED WASTE LANDFILL**

**OCTOBER 14, 2016**

**PREPARED BY:**



## 1.0 Background

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### 1.1 CCR Rule

The federal regulations set forth under 40 CFR §257.104 require all owners or operators of a CCR unit which will undergo closure-in-place to provide a written and published Post-Closure Plan which contains the information identified in §257.104, items (d)(1)(i) through (iii).

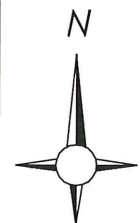
### 1.2 Site Description

The Hoosier Energy Merom Generating Station Area 3 Type I Restricted Waste Landfill (Merom Area 3 Landfill) is permitted by the Indiana Department of Environmental Management (IDEM) under Permit FP-77-04 and is regulated under Indiana Administrative Code 329 IAC, Article 10. The facility is located in Sullivan County, Indiana, in Section 2 of Gill Township and within Township-7-North / Range-10-West (See Figure 1). The permitted facility Solid Waste Boundary includes an area of approximately 112.0 acres.

## 2.0 Facility Contact Information

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Facility Name:	Merom Generating Station Area 3 Type I Restricted Waste Landfill, FP-77-04
Facility Address:	P.O. Box 908 Bloomington, Indiana 47402-908
Contact Representative:	Lon M. Petts Environmental Team Leader
Contact Number:	812-935-4720
Contact E-mail:	lpetts@HEPN.com



VICINITY MAP  
AREA 3 RESTRICTED WASTE LANDFILL  
MEROM GENERATING STATION

# ATC

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## 3.0 Facility Maintenance Procedure

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### 3.1 Final Cover Care

The facility will be inspected at least twice per year during the mandated 30-year post-closure care period to detect potential problems such as settlement, subsidence, desiccation cracks, or erosion. Deficiencies noted in the inspection process will be recorded, analysed to find the underlying cause, and corrected.

The final cover vegetative cover will be maintained by regular mowing that occurs biannually during the required 30-year post-closure maintenance period. The vegetative cover will be amended and fertilized as needed. Depressions that pond water will be filled and revegetated and bare areas in the vegetative cover will be reseeded. Deep-rooted, woody vegetation which threatens the structural integrity of the slope or underlying final cover system will be removed.

The Run-On Run-Off Control System (ROROCS), which consists of erosion control diversion berms, drop inlets, downrain pipes, a perimeter ditch, and retention pond, will be inspected as part of the semi-annual inspection process. If deficiencies are found in the ROROCS system such as breaches, seepage, erosion, sedimentation or clogging of inlets or channels, then these systems will be repaired.

### 3.2 Leachate Removal

The leachate collection system will be monitored and maintained during the post-closure care period. Leachate will be disposed of in accordance with requirements contained in the IDEM permit conditions.

### 3.3 Monitoring Systems

Groundwater monitoring will be performed semi-annually (or as required) in accordance with 40 C.F.R. §§257.90 through 257.98 during the post-closure care period. The results of each monitoring event will be reported in accordance with the Groundwater Monitoring Plan. In addition, personnel will also inspect and maintain the proper functioning of groundwater well components including but not limited to pumps, protective casings, well caps, seals, and locks. Non-functioning components will be replaced as needed.

## 4.0 Post-Closure Use

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No post-closure use is anticipated at this time. Necessary inspections, maintenance, monitoring and repairs by authorized personnel will be the only activities allowed on the premises.

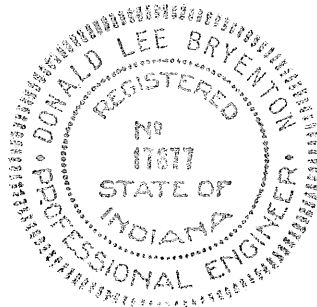
## 5.0 Engineering Certification

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I, Donald L. Bryenton, being a registered Professional Engineer of the State of Indiana, do hereby certify to the best of my knowledge, information, and belief, that the information contained in this Closure Plan dated October 14, 2016 was conducted in accordance with the requirements of 40 C.F.R. § 257.102, is true and correct, and has been prepared in accordance with recognized and generally accepted good engineering practices.

**SIGNATURE:**

Donald L. Bryenton



**DATE:**

10/14/16