

# **BCPS Field Trip Request ID # 9290**

Trip Request By	Kimberly Minter - HMS
Trip Name	Muldraugh Compressor Station
Trip Date	03-20-2019
Approx. Pick-up Time	9:00AM
Return Date	03-20-2019
Approx. Return Time	1:30PM
Class/Group	6th Grade Discovery
Student Count	34
Chaperone Count	4
Number of Vans/Buses	1
Common Carrier	Miller Transportation
Cost to Students	10
How will you pay for students who cannot afford the fee?	Discovery Field Trip Funds

## **Place of Departure**

Name:	Hebron Middle School
Address:	3300 Hebron Lane
City:	Shepherdsville
State:	KY

## **Destination**

Name:	Muldraugh Compressor Station
Address:	500 LG&E Road
City:	Muldraugh
State:	KY

## **Lesson Plans**

Students will receive instruction From engineers on the operation of the Muldraugh Compressor Plant over the compression and storage of natural gas. After a class discussion, the students will break down into two smaller groups and tour the plant. They will be provided with Personal Protective Equipment for their safety. SAFETY First!

HS-ESS3-2 Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on benefit ratios

HS-ESS3-4 Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.

HS-ETS1-3 Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.

ESS3.C:Human Impacts on Earth SYstems

\*The sustainability of human societies and the biodiversity that supports them requires responsible management of natural resources

\*Scientists and engineers an make major contributions by developing technologies that produce less pollution and waste and that preclude ecosystem degradation

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