

Sustainability/Natural Resource Internship with Marathon Pipe Line, LLC

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Background

This summer I had the opportunity of working for Marathon Pipe Line, LLC as their Sustainability/Natural Resource intern. I had the privilege of working at Marathon’s headquarters located in Findlay, Ohio.

Marathon’s Mission Statement

Marathon strives to provide strategic business solutions and innovative commercial expertise while supporting their business partners and maximizing shareholder’s value.



I found this internship on the Handshake website and submitted my application on the company’s website. I was able to leverage my experience gained through academics to secure a position. I was attracted to Marathon because of I was interested in learning about their sustainability plans as an oil company.

Daily Activities/Projects

Monarch CCAA Application and Presentation



- Learn about the program.
- Fill out application for Marathon to enroll acres into program.
- Communicate and present requirements in presentation.

Developed an Integrated Vegetation Management (IVM) plan for Marathon’s Freedom Pipeline Station



Above is aerial imaginary of Marathon’s Freedom Station. Tanks, dikes, waterway, and total area are indicated by various colored boxes.

- Analyzed current vegetation and land conditions
- Communicate with local employees.
- Develop an Integrated Vegetation Management plan.

Research with Ohio State University on Rights-of-Way

- Worked with OSU researchers to fill out Standard Assessment Worksheet at rights-of-way.
- Learned how to identify vegetations and collect soil compaction, temperature, and moisture data.

STAND ASSESSMENT WORKSHEET

Location Name: _____ Description: _____ Date: _____	
County: _____ State: _____ Line Home: _____	
Assessor(s): _____	
HERBACEOUS VEGETATION	
If known, what was the last management for this location? _____	
Current Vegetation	
Grosses (% cover)	Forbs/Legumes (% cover)
STAND DIVERSITY AND STRUCTURE	
On average, the stand is: <input type="checkbox"/> 1 uniform height / Height _____ inches OR <input type="checkbox"/> 2-3 heights / Height ranges _____	
Is the vegetation: <input type="checkbox"/> Thin or Sparse <input type="checkbox"/> Dense in Some areas Patchy in Others <input type="checkbox"/> Thick and Dense throughout	
Is there bare ground present? <input type="checkbox"/> Yes <input type="checkbox"/> No Percent bare ground: _____ %	
Are there any species of Milkweed Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Number of stems present: _____	
Milkweed Species: _____	Milkweed Species in Patches (indicate if present in blocks or strips): _____
WOODY VEGETATION	
Is there woody vegetation present? <input type="checkbox"/> Yes <input type="checkbox"/> No	Woody Species _____ % Cover _____
Compatible <input type="checkbox"/> Non-Compatible <input type="checkbox"/>	
Scattered <input type="checkbox"/> Blocks <input type="checkbox"/> Linear <input type="checkbox"/>	
UNDESIRABLE COVER	
Species (Include noxious weeds, invasive, other undesirable herbaceous or woody vegetation)	Occurrence _____ Spots/ Widespread _____
	<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> S <input type="checkbox"/> W
	<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> S <input type="checkbox"/> W
	<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> S <input type="checkbox"/> W
	<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> S <input type="checkbox"/> W

To the left is an image of the Standard Assessment Worksheet that was filed out at rights-of-way.

To the right is an image of the pipeline marking within the right-of-way located at Blendon Woods Metro Park.



Developed an Environmental, Social, and Governance (ESG) Data Reporting System

- Collaborated with the ESG team.
- Collected questions pertaining to the Biodiversity section of Marathon’s Sustainability Report.

A	B	C
Name	Question	Assessed Y/N
1. Ecotrade	Has company completed formal risk assessment or analysis of operations having potential impact on biodiversity (local environment, animals, protected areas, endangered species)?	
2. Ecotrade	Has company performed measures to mitigate impact on local environment or animals (please specify)?	
3. Ecotrade	Has company provided innovative technologies to carry heavy loads with little damage to soil, vegetation or animals (please specify)? (if applicable)	
4. Ecotrade	Has company provided measures to mitigate impact on protected areas or endangered species (when applicable)?	
5. Sustainability	Does company have an adequate program for managed or owned land responsibility for biodiversity issues?	
6. Sustainability	Does company have a program for the identification of biodiversity priority areas?	
7. Sustainability	Does company have biodiversity management plans for priority areas?	
8. Sustainability	Does company have systematic considerations of local threats to biodiversity beyond the company's business activities?	
9. Sustainability	Does company implement best practice mitigation hierarchy?	
10. Sustainability	Does company have targets and deadlines related to biodiversity?	
11. Sustainability	Does company engage with local residents or biodiversity experts?	
12. Sustainability	Does company report on biodiversity programs or impacts?	
13. Sustainability	Does company have formal policy commitments to avoid operating in areas with the highest biodiversity value?	
14. Sustainability	Does company have formal commitment to 'no net loss' or having a 'net positive impact' on biodiversity?	
15. Sustainability	Does company have formal commitment to minimize impact on biodiversity or to consider biodiversity in planning?	
16. IS	Does the company disclose a clear framework for evaluating projects in critical habitats or other areas with recognized high biodiversity value?	
17. IS	Does the company's framework for evaluating projects in critical habitats or other areas with recognized high biodiversity value include reference to external standards or guidelines?	
18. IS	Does the company's framework for evaluating projects in critical habitats or other areas with recognized high biodiversity value define 'hot flags'?	
19. IS	Does the company's framework for evaluating projects in critical habitats or other areas with recognized high biodiversity value describe a formal process for evaluating projects?	
20. MGC	Is company clear on policy that includes provisions on sustainably managing natural resources and new materials?	
21. MGC	Clear policy on minimizing disturbance from operations.	
22. MGC	Clear policy on restoring habitat, disturbed lands.	
23. MGC	Does company provide programs and structure for the restoration or rehabilitation of disturbed areas with continuous operations?	
24. MGC	Does company have programs to protect natural ecosystems?	
25. MGC	Does company conduct biodiversity impact assessment prior to settling new areas?	
26. SAM CSA/SDP 100	Is a formal system in place to ensure that Environmental Impact Assessment/Social Impact Assessment recommendations are implemented, followed up on and reported on? If yes, please indicate what parties have access to the results of Environmental/Social Impact Assessments (EIA/SLIA)?	
27. SAM CSA/SDP 100	Does your company have a publicly available commitment to maintain, enhance, or conserve biodiversity/exceptions for your company's own operational activities, and it commitment applicable to your company's supply chain?	
28. SAM CSA/SDP 100	Has your company assessed its own operations to determine its level of exposure to biodiversity in the areas used for operational activities and the potential impacts on the biodiversity?	
29. SAM CSA/SDP 100	What is the total number of acres and the total used for operational activities?	

Above is a screenshot of the excel sheet I created to organize biodiversity questions.



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