Industrial Performance Standards Checklist for Newly Proposed Projects

All projects within the Devens Regional Enterprise Zone (DREZ) must comply with the Devens Enterprise Commission (DEC) Industrial Performance Standards (IPS) under 974 CMR 4.00. This checklist is intended to assist Applicants in determining at the time of submittal, or ideally before submittal, if their project may or may not involve development and/or activities that may impact sound, vibration, air quality, or lighting within the DREZ.

Site layout, building(s) design/orientation, traffic patterns, location of outdoor equipment and numerous other project components can impact sound, vibration, air quality, and lighting within the DREZ. By identifying any potential IPS concerns early on in the review process, Applicants can design their projects to ensure compliance with the IPS at all times and avoid potential future violations of the IPS and costly mitigation after the fact.

Please note, if a project requires an air permit from the Massachusetts Department of Environmental Protection (DEP), the Applicant will need to initiate permitting through the DEP office as well. Even if a project requires a DEP air permit, the proponent still must demonstrate compliance with the DEC IPS.

Please circle the correct answer to each question in this checklist. Please note that by circling "NO", the Applicant is not relieved of demonstrating compliance with the IPS requirements. If "NO" is circled and a potential concern is identified during the review process, it could temporarily suspend the approval process timeline until the concern is adequately addressed. If "YES" is answered, please explain and provide any supporting studies or information to aid the DEC in their evaluation of the project.

Project Name STORAGE OF Titanium Powder ON SITE

Does the proposed project and associated activities involve any potential increases in sound, vibration, air quality, odor, dust, lighting and/or electromagnetic interference that are covered under the DEC Industrial Performance Standards?

YES	NO
	(NO)

If you answered yes, will the Applicant demonstrate compliance directly or will the project proponent employ an expert to demonstrate compliance? Please provide pertinent contact information of the responsible official:

VULCANTOWNS, INC.
112 Barnum Rd., Devens MA 4/28/22 LAWRENCE B. MCCLAIN, DIR EHHS

Industrial Performance Standards Checklist for Newly Proposed Projects cont...

Noise

Does the proposed project have the ability to increase sound? YES NO

1. Will the increase in sound plus background sound exceed 974 CMR 4.05 (3)a?	YES NO
2. Will the total sound plus background sound exceed 974 CMR 4.05 (3)b?	YES NO
3. Will the increase in sound create pure tones that will exceed 974 CMR 4.05 (3)c and/or 974 CMR 4.05 (3)d7?	YES NO
4. Will the increase in sound create impulsive sounds that will exceed 974 CMR 4.05 (3)d1-6 and/or 974 CMR 4.05 (3)d8?	YES NO
5. Are there procedures and controls proposed to reduce sound during earth removal per 974 CMR 4.07(10)?	YES NO

Checklist Options to Demonstrate Sound Compliance

6. Have all of your potential sound sources been identified?	YES NO
7. Will spreadsheet calculations of the potential increase in sound be provided?	YES NO
8. Will sound modeling of the proposed project be provided?	YES NO
9. Will the facility submit a protocol describing the potential sound monitoring, metrics, and modeling as required?	YES NO
10. Does the project propose to collect background sound data (typically 7-days worth of valid data is sufficient)?	YES NO
11. If the facility intends to collect background sound data will it include other qualifying weather data such as wind speed, wind direction, sky conditions, etc.?	YES NO
12. Is mitigation to reduce the overall sound profile proposed?	YES NO
13. Is sound mitigation to be assumed when calculations or modeling is performed?	YES NO
14. Is compliance monitoring proposed to demonstrate that the project meets the estimated increases in sound?	YES NO
15. Have increases in sound with respect to traffic been considered?	YES NO

Industrial Performance Standards Checklist for Newly Proposed Projects cont...

Vibration

Does the proposed project have the ability to increase vibration?

	YES	NO
16. Will the increase in vibration exceed 974 CMR 4.05 (4)a??	YES	NO

Checklist Options to Demonstrate Vibration Compliance

17. Have all of the potential vibration sources been identified?	YES	NO
18. Will spreadsheet calculations of the potential increase in vibration be provided?	YES	NO
19. Will the proponent provide vibration modeling of the proposed project?	YES	NO
20. Does the project propose to collect background vibration data?	YES	NO
21. Is mitigation proposed to reduce the overall vibration profile?	YES	NO
22. Is vibration mitigation to be assumed when the calculations or modeling performed?	YES	NO
23. Is compliance monitoring proposed to demonstrate that the project meets the estimated increases in vibration as proposed?	YES	NO

Industrial Performance Standards Checklist for Newly Proposed Projects cont...

Air Quality

Does the proposed project have the ability to create air, visible, and/or odor emissions?	**YES** **NO**
24. Will the proposed project meet the air quality standards in 974 CMR 4.02(3)	**YES** **NO**
25. Are there procedures and controls proposed to minimize impacts during earth removal per 974 CMR 4.07(7)?	**YES** **NO**
26. Will the proposed project require a MassDEP air quality permit per 974 CMR 4.02 (1)	**YES** **NO**
If the project will require an air permit, then the proponent should set up a meeting with the regional MassDEP office to determine air permitting requirements, and answer the following:	
27. Will the proposed project submit a Limited Plan Approval application?	**YES** **NO**
28. Will the proposed project submit a Non-Major Comprehensive Plan Approval application?	**YES** **NO**
29. Will the proposed project submit a Major Comprehensive Plan Approval application?	**YES** **NO**
30. Will the proposed project be a Title V source?	**YES** **NO**
31. Will the proposed project be a PSD source?	**YES** **NO**
Checklist Options to Demonstrate Air Quality Compliance	
32. Have you identified all of your potential air, visible and/or odor sources?	**YES** **NO**
33. Will there be any visible emissions?	**YES** **NO**
34. Will there be any dust emissions?	**YES** **NO**
35. Will there be any odor emissions?	**YES** **NO**
36. Will there be any potential increases in air, odor or dust emissions within the DREZ that will impact any internal or external receptors?	**YES** **NO**
37. Will the project proponent provide spreadsheet calculations of the potential increase in air and/or odor emissions within the DREZ to demonstrate how the increase will not impact any internal or external receptors?	**YES** **NO**

Industrial Performance Standards Checklist for Newly Proposed Projects cont...

Checklist Options to Demonstrate Air Quality Compliance (cont.)

38. Will the project proponent provide air and/or odor modeling of the proposed project within the DEC or into the neighborhood surrounding the DEC??	YES NO
39. Is mitigation proposed to reduce the overall air and/or odor profile?	YES NO
40. Is air pollution and/or odor control to be assumed when the calculations or modeling is performed?	YES NO
41. Is compliance monitoring proposed to demonstrate that the project meets the estimated increases in air and/or odor as proposed?	YES NO

Lighting/Illumination

Does the proposed project have the ability to create additional Illumination?	YES (NO)
42. Will lighting meet the illumination standards set forth in 974 CMR 4.04(3)?	YES NO
43. Have all of the potential light sources been identified?	YES NO
44. Will spreadsheet calculations of the potential increase in light and how it will not affect the Observatory outlined in 974 CMR 4.04(1) or any external or internal receptors be provided?	YES NO
45. Is mitigation proposed to reduce the overall light profile?	YES NO

Electromagnetic Interference

Does the proposed project have the ability to create electromagnetic interference?	YES (NO)
46. Have you identified all your potential electromagnetic sources?	YES NO
47. Are you proposing to provide spreadsheet calculations of the potential increase in electromagnetic interference and how it will not affect any internal or external receptors as per 974 CMR 4.03(3)?	YES NO
48. Are you proposing any mitigation to reduce your overall electromagnetic profile?	YES NO
49. Will your project comply with all the electromagnetic requirements under 974 CMR 4.03?	YES NO