



Turnaround and Major Project Safety Program Appendix B- TA/Project Site EHSS Plan

1. TA/PROJECT SITE EHSS PLAN (TEMPLATE)

The Turnaround or Project Site EHSS Plan may be formatted in the following manner and will address the topics listed in this template and the written program. Alternative formats meeting the same purpose are acceptable at the discretion of the TA/Project Manager.

- 1.1 Goals, Vision and Principles – the TA plan should include high level goals as set by Mosaic Sr. Management, as well as TA or Project specific targets or goals set by the Steering Team that will be a measure of success for the project.
- 1.2 Metrics/Leading Indicators – what activities or processes will be measured and tracked to ensure systems are in place to manage the risk on site. These metrics should be measurable and reported on the TA/Project summary report.
- 1.3 Facility Logistics – pedestrian and vehicle traffic, parking areas, washing and restroom facilities, break areas and meeting locations.
- 1.4 Security/Site Access – entry/exit points, identification to enter site, training verification, restricted areas.
- 1.5 Severe/Inclement Weather Procedures – plans for monitoring, communicating and modifying work due to inclement or severe weather during the Project or TA.
- 1.6 Contractor Site Specific Training/Orientation – checklist or information required for all contractor individuals working on site. Method of communication and documentation.
- 1.7 Environmental - Environmental aspects must be included in all TA/Major Project planning and execution. Efforts will be in the plan and will include the following:
 - 1.7.1 Surveys, Monitoring and Abatement (Asbestos, Lead, etc.)
 - 1.7.2 Waste Management – hazardous and non-hazardous
 - 1.7.3 Spill Response Plans
 - 1.7.4 Fuel Tanks
 - 1.7.5 Reporting
 - 1.7.6 Permitting
 - 1.7.7 Radiation
- 1.8 Industrial Hygiene – identification of potential contaminants, monitoring plans, controls, communication.
- 1.9 Safety Meetings – requirements for daily group meetings, crew tool box meetings, and daily TA performance review meetings.
- 1.10 Safety and Health Policy/Procedures – location and content for contractors to access EHSS policies they are expected to follow.
- 1.11 Safety resources – additional safety resources, including consultants, ERT members, safety observers, etc. will be determined and outlined in the plan. How many will be used, what will their roles be and how will they report out daily.
- 1.12 Pre-Work Requirements
 - 1.12.1 Job Permitting – key permit requirements, location of permit resources, process for obtaining permits.
 - 1.12.2 Energy Isolation – LOTO procedures and contractor requirements.
 - 1.12.3 Inspection Checklists – requirements, filing, etc.
- 1.13 JSA's/TRA's



- 1.13.1 Job Safety Hazard Analysis or Task Risk Assessments will be developed for critical tasks and job steps during the TA/Project. The requirement will be determined by the TA/Project Manager and will be communicated to the Contractor Companies.
- 1.13.2 Companies performing work on Mosaic property will develop and communicate the JSA/TRA's to all affected workers to ensure hazards and risks are recognized and controlled.
- 1.14 Barricading/Tagging
 - 1.14.1 The Mosaic barricading procedure will be communicated and audits will be conducted specific to barricading compliance. The focus will be on proper use of red/yellow barricading, proper tagging and compliance by workers.
- 1.15 Scaffolding/Overhead Work
 - 1.15.1 Special emphasis on the Mosaic Scaffold Program including precautions and requirements for overhead work will be part of the planning and auditing phase of the TA/Project. This includes storing materials, lifting and lowering of tools in proper lifting devices (tool buckets), tethering of tools and use of barricading to protect workers below.
- 1.16 Fall Protection/Prevention
 - 1.16.1 Mosaic requires 100% fall protection for all work. This requires fall protection and prevention to be integrated into the planning of all TA/Project efforts. Written fall protection plans will be required for work where the risk of falls is elevated.
 - 1.16.2 The requirement for written fall protection plans will be determined by the TA/Project Manager and/or the company conducting the work.
- 1.17 Other Critical Safety Procedures – Fall Protection, Scaffolding, Overhead Work, Traffic Safety, Critical Lifts, etc.
- 1.18 Audits/Observation Processes – description of supervisory audits and/or observation processes that will be used. Scheduling of people, type and number of audits/observations, and communication of results will be included.
- 1.19 Emergency Response Procedures – alerting systems, contact numbers, procedures to follow, evacuation.
- 1.20 Procedures for managing start up or shut down of adjacent plants or process units that may affect TA or Project workers (sulfuric acid or ammonia processes).
- 1.21 Incident Reporting and Investigation – Mosaic reporting procedures, timelines, format.
- 1.22 Turnaround/Project Daily Summary - The TA/Project Manager will designate resources to maintain a daily summary report (Appendix F – TA/Project Daily Safety Report) which will be distributed during daily safety and performance meetings. The information will be disseminated through daily tool box and company safety meetings.
- 1.23 Recognition – daily or weekly recognition to workers or companies for demonstrating safe behaviors or meeting performance targets.
- 1.24 Discipline – Individual or company discipline for non-compliance with procedures. Any critical safety rules or areas of focus should be included in the plan.
- 1.25 Review and Approval Process – the plan will be reviewed prior to the project by Mosaic BU Management with signatures obtained for approval. The review can take place during planned outage meetings with the managers present. Signatures for approval shall be obtained from the:
 - 1.25.1 Facility Manager
 - 1.25.2 TA/Project Manager
 - 1.25.3 Director or VP of Engineering and Technical Services
 - 1.25.4 Director of Health and Safety



REVIEW AND APPROVALS: THE MOSAIC LEADERSHIP TEAM HAS REVIEWED AND APPROVED THIS TA/PROJECT ENVIRONMENTAL, HEALTH, SAFETY & SECURITY PLAN.

Plant Manager - Date

T/A Manager - Date

Director/VP Eng&Tech Services - Date

Director Health and Safety - Date