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3745-506-610

Evaluations of all practicable corrective actions.

(A) A practicable corrective action evaluated for the purpose of satisfying the requirements of rule 3745-506-600 of the Administrative Code shall meet at a minimum the following criteria:

- (1) Be protective of public health and safety and the environment, prevent nuisances and health hazards, and not cause or contribute to water pollution.
- (2) Permanently reduce the contamination to at or below the GWCAS.
- (3) Manage waste and C&DD in accordance Chapters 3734, and 3714. of the Revised Code and rules adopted thereunder.

(B) An evaluation of a practicable corrective action shall include at a minimum documentation of the following:

- (1) Long-term and short-term effectiveness of the potential corrective action and the protection the corrective action would afford. This discussion shall include the degree of certainty that the corrective action will prove successful based on the following:
 - (a) Magnitude of reduction of existing risks.
 - (b) Magnitude of residual risks in terms of likelihood of further releases due to waste or C&DD remaining following implementation of the corrective action.
 - (c) Type and degree of long-term management required including monitoring, operations, and maintenance.
 - (d) Short-term risks that may affect the community, workers, and the environment during implementation of such a corrective action, including the threats to public health or safety or the environment, the potential to cause a nuisance or a health hazard, and the potential to cause or contribute to water pollution associated with excavation, transportation, disposal, and containment of waste or C&DD.
 - (e) Potential for human and environmental receptor exposure to remaining waste or C&DD, considering the threats to public health and safety and the environment, the potential to cause nuisances and health hazards, and the potential to cause or contribute to water pollution associated with excavation, transportation, disposal, and containment of waste or C&DD.
 - (f) Long-term reliability of the engineering and institutional controls.

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- (g) Potential need for replacement of the corrective action.
- (h) Time until the release has been reduced to at or below the proposed GWCAS.
- (2) Source controls. This discussion shall include at a minimum documentation of the following:

 - (a) Any existing source controls being implemented at the facility and the effectiveness of the source controls.
 - (b) Proposal for any new source controls including the extent that the source control will reduce further releases, to which extent treatment technologies will be used, and the potential effectiveness of the source control.
 - (c) Discussion of how the existing and proposed source controls will work in conjunction with the practicable corrective actions.
- (3) The need to coordinate with and obtain necessary approvals and permits from other local, state, and federal offices and agencies and other divisions of Ohio EPA.
- (4) The available capacity and location of needed treatment, storage, and disposal services.
- (5) The practicability of implementing the potential corrective action based on the following:

 - (a) Degree of difficulty associated with constructing the technologies.
 - (b) Expected operational reliability of the technologies.
 - (c) Availability of necessary equipment and specialists.
- (6) The degree to which community concerns are addressed by the potential corrective action.
- (7) The performance, reliability, ease of implementation, and potential impacts of the potential corrective action, including safety impacts, cross-media impacts, and control of exposure to any residual contamination.
- (8) A schedule for initiating and completing the potential corrective action based on the following:

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- (a) The rate and extent of migration and the concentrations of the constituents in each release.
- (b) The practical capability of remedial technologies to achieve compliance with the GWCAS and other objectives of the corrective actions.
- (c) The availability of treatment and disposal capacity for waste and C&DD managed during implementation of the corrective action.
- (d) The desirability of utilizing technologies that are not currently available but that may offer significant advantages over currently available technologies in terms of protection, reliability, safety, and the ability to achieve remedial objectives.
- (e) The threats to public health or safety or the environment, the potential to cause a nuisance or a health hazard, and the potential to cause or contribute to water pollution from exposure to contamination prior to completion of the corrective action.
- (f) Other relevant factors.
- (9) Resource value of the aquifer system, including the following:

 - (a) Current and future uses.
 - (b) Proximity and withdrawal rate of users.
 - (c) Ground water quantity and quality.
 - (d) The potential damage to wildlife, crops, vegetation, and physical structures resulting from exposure to waste-derived constituents or C&DD-derived constituents.
 - (e) The hydrogeologic characteristics of the facility and surrounding area.
 - (f) Ground water removal and treatment costs.
 - (g) The cost and availability of alternate water supplies.
- (10) Capability of the owner or operator to implement and complete the potential corrective action.
- (11) Other relevant factors as determined by Ohio EPA.