**Section 259.320 Initial Assessment**

a) The purpose of the initial site assessment is to develop an appropriate sampling and analysis plan based on the environmental conditions at the agrichemical facility. The specific objectives of the initial site assessment are to identify the following:

1) target pesticides,

2) locations of potable water supply wells,

3) the classification of the groundwater underlying the site,

4) soil and hydrogeologic conditions based on available information,

5) areas that may be locations of past agrichemical contamination, and

6) whether the facility is located within a delineated well head protection area, the minimum or designated maximum setback zone, or a regulated recharge area of a potable water supply well.

b) The initial site assessment shall provide the following:

1) a listing of target pesticides, which shall include all pesticides known or suspected to have been released, on the basis of interviews with the owner and operator and a site investigation by or under the supervision of a licensed professional geologist, professional engineer or licensed industrial hygienist.

A) Unless affirmatively demonstrated that a pesticide has not been stored, mixed or loaded on the site, all pesticides listed in this subsection (b)(1)(A) shall be considered target pesticides.

|  |  |  |
| --- | --- | --- |
| acetochlor | carbofuran | simazine |
| alachlor | 2,4-D | terbufos |
| atrazine | metolachlor | trifluralin |
| butylate | metribuzin |  |
| chlorpyrifos | pendimethalin |  |

B) An applicant may elect to limit the agrichemicals, media (soil or groundwater) or area included in a site assessment. If the site assessment is limited in any way, the notice of closure shall be limited to the agrichemicals, media or area included in the site assessment and any corrective actions;

2) facility site maps, at a scale no larger than 1 inch equals 200 feet, of sufficient detail and accuracy to show all of the following:

A) areas of the site that involve the storage or mixing and loading of agrichemicals,

B) site structures or buildings,

C) roads or driveways and parking facilities,

D) the location of the potable water supply for the site and any groundwater monitoring wells on the site, and

E) the map scale (graphic and nominal), north arrow, date, name and address of preparer, and location of the site with respect to section, township, range, and principal meridian;

3) a map, at a scale no larger than 1 inch equals 400 feet, that shows the facility boundaries and all of the following:

A) land uses (e.g., residential, commercial/industrial, agricultural and conservation property) within 200 feet of the site boundaries,

B) any potable water supply wells within 200 feet of the site boundaries, and

C) the map scale (graphic and nominal), north arrow, date, name and address of preparer, and location of the site with respect to section, township, range, and principal meridian;

4) a soil survey map of the site and the surrounding area within 200 feet of the site and soil interpretation for each soil series identified on the site or within 200 feet of the site for:

A) soil physical and chemical properties,

B) engineering index properties, and

C) soil and water features;

5) copies of lithologic and construction logs for any monitoring well or potable water supply well on or within 200 feet of the site. If copies are not available, the applicant shall provide:

A) an explanation as to why such data could not be obtained,

B) estimations of the diameter and total depth of each well, the screened interval of each well and the depth to water in each well, and how those values were determined, and

C) an estimation of the geologic conditions at each well site;

6) U.S. Geological Survey 7.5 minute topographic map showing the location of the facility, any community water supply wells within 2,500 feet of the site boundaries and the boundaries of any delineated well head protection area, the minimum or designated maximum setback zone or regulated recharge area for a community water supply well;

7) any pertinent reports containing hydrologic or geologic information by the Illinois State Water Survey, Illinois State Geological Survey or U.S. Geological Survey;

8) copies of prior site assessments and any pending, threatened or past litigation, administrative actions or notices from government entities regarding the storage or disposal of pesticides at the site; and

9) a detailed sampling and analysis plan including the following:

A) proposed number and location of soil samples,

B) total sampling depth and sampling depth intervals for soil samples,

C) locations and construction details for any proposed monitoring wells and any existing monitoring wells or water supply wells proposed for groundwater sampling,

D) list of analytes, analytical methods and expected detection limits in soil and water, and

E) quality assurance project plans for field and laboratory activities.

(Source: Amended at 32 Ill. Reg. 1308, effective January 21, 2008)