ble requirements of ch. NR 635 within a period of time specified in the plan of operation approval.

(k) The department shall specify in the plan of operation approval all design and operating practices that are necessary to ensure that the requirements of this subsection are satisfied.

History: Cr. Register, February, 1991, No. 422, eff. 3-1-91.

NR 655.06 Feasibility and plan of operation report. Unless specifically exempted in s. NR 630.04, no person may establish, construct or expand a hazardous waste pile or be issued an initial operating license under ch. NR 680 without first obtaining written approval of a feasibility and plan of operation report from the department. The purpose of the feasibility and plan of operation report is to determine whether the site has potential for use as a hazardous waste storage facility and to identify and address any operating conditions which are necessary for the proper operation of the facility. Favorable feasibility determination and plan approval under this section does not guarantee final licensure. The feasibility report and plan of operation report for a waste pile shall be submitted in accordance with the requirements of s. 144.44, Stats., and ss. NR 680.05 (1) and 680.06 (3) and shall contain the applicable material required by s. NR 660.09 (1) to (15). The applicant is encouraged to submit an initial site report as outlined in s. NR 660.08 (2). Feasibility and plan of operation report requirements for small storage facilities, that meet the criteria in s. NR 640.07 (1), are specified in s. NR 640.07 (3). The feasibility report shall also contain the following information:

(1) For waste pile storage, detailed plans and an engineering report describing how the requirements of ss. NR 655.05, 655.06 (2), 655.07 and 655.08 shall be met, and if applicable, of how ss. NR 655.05 and 655.08 shall be met if an exemption from certain requirements of s. NR 660.13 and ch. NR 635 is sought.

(2) The plan of operation shall also contain the following information:

(a) Sketches, drawings or data demonstrating compliance with the buffer zone requirements of s. NR 655.10 (1) (a).

(b) How wind dispersal of particulate matter shall be controlled in order to meet the requirements of s. NR 655.07 (5);

(c) How s. NR 655.09 (2) shall be complied with if incompatible wastes or materials are to be managed; and

(d) The details of the process carried out and equipment used if treatment occurs in or on the pile, including the nature and quality of the residuals.

History: Cr. Register, February, 1991, No. 422, eff. 3-1-91; correction in (intro.) made under s. 13.93 (2m) (b) 7, Stats., Register, March, 1993, No. 447.

NR 655.07 Design and operating requirements. (1) In accordance with s. NR 630.31 (1) and (2), the identity and location of all stored hazardous waste shall be known throughout the entire storage period.

(2) The pile shall be underlain by a liner that is designed, constructed and installed to prevent any migration of wastes out of the pile into the liner or adjacent subsurface soil or groundwater or surface water at any time during the active life of the waste pile including the closure period. The liner shall be:

(a) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients including static head and external hydrogeologic forces, physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation;

(b) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement compression or uplift; and

(c) Installed to cover all surrounding earth likely to be in contact with the waste.

(3) The waste pile shall have a run-on control system capable of preventing flow onto the active portion of the landfill during peak discharge from at least a 24-hour, 25-year storm.

(4) If leachate or run-off from a pile is a hazardous waste then:

(a) The pile shall be placed on an impermeable base that is compatible with the waste under the conditions of storage, run-on shall be diverted away from the pile, and any leachate and run-off from the pile shall be collected and managed as a hazardous waste; or

(b) The pile shall be protected from precipitation by some other means and no liquids or wastes containing free liquids may be placed in the pile.

(5) If a pile containing hazardous waste may be subject to dispersal by wind, the owner or operator of the facility shall cover the pile so that wind dispersal does not occur.

(6) During construction, installation and testing of the primary liner, the secondary liner, the drainage layers, the leachate collection systems and all 3 phases of the final cover system, a registered professional engineer shall be present on the site at all times. It shall be the responsibility of the professional engineer to ensure that all construction, documentation and testing are carried out in accordance with chs. NR 600 to 685 and the plan of operation approval.

History: Cr. Register, February, 1991, No. 422, eff. 3-1-91.

NR 655.08 Monitoring and inspection. (1) During construction or installation, liners, except existing portions of piles exempt from s. NR 655.07 (2), and cover systems shall be inspected for uniformity, damage and imperfections. Immediately after construction or installation:

Note: Examples of cover systems are membranes, sheets or coatings. Examples of imperfections are holes, cracks, thin spots or foreign materials.

(a) Synthetic liners and covers shall be inspected to ensure tight seams and joints and the absence of tears, punctures or blisters; and

(b) Soil-based and admixed liners and covers shall be inspected for imperfections including lenses, cracks, channels, root holes or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.

(2) While a waste pile is in operation, it shall be inspected weekly and after storms to detect evidence of any of the following: