

3. Natural Hazards Assessment

a. Every application to use land, grade, construct, or otherwise develop in the NHO Zone shall be accompanied by a plot plan and construction plans required by Section 7-6 of this ordinance plus a Natural Hazards Assessment which complies with the standards of this chapter, unless exempted by the terms of the following chart:

CHART SHOWING WHEN A NATURAL HAZARDS ASSESSMENT IS NOT REQUIRED

Hazard Type on Overlay Map Items Exempt from Filing a Natural Hazards Assessment

ROCKFALL All structures not occupied by humans (except critical facilities, which must have an assessment)

DEBRIS FLOW All structures not occupied by humans (except critical facilities, water tanks, reservoirs, and canals which must have an assessment)

LANDSLIDE All structures not occupied by humans (except critical facilities, water tanks, reservoirs, canals, gas lines, electric lines, telephone lines, water lines, railroad tracks, and water lines, railroad tracks, and roads, which must have an assessment) roads, which must have an assessment)

SURFACE FAULT RUPTURE None (all uses and structures must have an assessment) In the column to the left in the above chart are the four categories of natural hazards which have been mapped in the County Geologist's Natural Hazard Overlay Map Series; at the right are various categories of buildings and land uses. Any use or structure listed as "exempt" shall not be required to submit a Natural hazards Assessment in order to obtain a building permit or zoning compliance permit. Otherwise such assessment shall be required.

b. The Natural Hazards Assessment shall be prepared by an engineering geologist retained by the applicant, and reviewed for Utah County by the County Geologist. The Natural Hazards Assessment shall consist of an engineering geology study of the hazards on the site, findings of the degree of hazard present, and a statement of any mitigation measures needed to meet the standards of this ordinance. If the engineering geologist finds that special structural design measures are needed in order to meet the standards of this ordinance, the Natural Hazards Assessment shall not be accepted unless it includes engineered plans prepared by a professional engineer who is licensed to practice in the State of Utah and who is qualified to develop such structural plans. To determine the sufficiency of any such engineering the Zoning Administrator may obtain a review by the County Surveyor or other experts.

c. Upon the determination that the Natural Hazards Assessment correctly identifies which hazards impact the subject property, the degree of hazard that is posed, and the mitigation measures necessary to meet the standards of this section, the Zoning Administrator shall issue a clearance which incorporates the uses, structures, and conditions of mitigation which comply with this ordinance.

d. When making any determinations or approvals required by this section (zoning section 5-12),

or any of its divisions, the Zoning Administrator may seek the review and advice of competent experts in geology, engineering or other relevant fields.