§ 147.3011 Plugging and abandonment of Class III wells.

To meet the requirements of §146.10(d) of this chapter, owners and operators of Class III uranium projects underlying or in aquifers containing up to 5,000 mg/l TDS which have been exempted under §146.4 of this chapter shall:

(a) Include in the required plugging and abandonment plan a plan for aquifer clean-up and monitoring which demonstrates adequate protection of surrounding USDWs.

(1) The Director shall include in each such permit for a Class III uranium project the concentrations of contaminants to which aquifers must be cleaned up in order to protect surrounding USDWs.

(2) The concentrations will be set as close as is feasible to the original conditions.

(b) When requesting permission to plug a well, owners and operators shall submit for the Director's approval a schedule for the proposed aquifer cleanup, in addition to the information required by §146.34(c).

(c) Cleanup and monitoring shall be continued until the owner or operator certifies that no constituent listed in the permit exceeds the concentrations required by the permit, and the Director notifies the permittee in writing that cleanup activity may be terminated.

§ 147.3012 Construction requirements for Class I wells.

In addition to the cementing requirement of §146.12(b) of this chapter, owners and operators of Class I wells shall, through circulation, cement all casing to the surface.

§ 147.3013 Information to be considered for Class I wells.

(a) In addition to the information listed in §146.14(a) of this chapter, the Director shall consider the following prior to issuing any Class I permit:

(1) Expected pressure changes, native fluid displacement, and direction of movement of the injected fluid; and

(2) Methods to be used for sampling, and for measurement and calculation of flow.

(b) In addition to the information listed in §146.14(b) of this chapter, the Director shall consider any information required under §146.14(a) of this chapter (as supplemented by this subpart) that has been gathered during construction.

§ 147.3014 Construction requirements for Class III wells.

(a) In addition to the requirements of §146.32(c)(3) of this chapter, radiological characteristics of the formation fluids shall be provided to the Director.

(b) In addition to the requirements of §146.32(e) of this chapter, the Director may require monitoring wells to be completed into USDWs below the injection zone if those USDWs may be affected by mining operations.

§ 147.3015 Information to be considered for Class III wells.

(a) In addition to the requirements of §146.34(a) of this chapter, the following information shall be considered by the Director:

(1) Proposed construction procedures, including a cementing and casing program, logging procedures, deviation checks, and a drilling, testing and coring program.

(2) Depth to the proposed injection zone, and a chemical, physical and radiological analysis of the ground water in the proposed injection zone sufficient to define pre-injection water quality as required for aquifer cleanup by §147.3011 of this subpart.

(3) An aquifer cleanup plan if required by §147.3003(b) of this subpart.

(4) Any additional information that may be necessary to demonstrate that cleanup will reduce the level of contaminants in the surrounding USDWs as close as feasible to the original conditions.

(b) In addition to the requirements of §146.34(b) of this chapter, the Director shall consider any information required under §146.34(a) of this chapter (as supplemented by this subpart) that has been gathered during construction.

§ 147.3016 Criteria and standards applicable to Class V wells.

In addition to the criteria and standards applicable to Class V wells set forth in subpart F of part 146 of this

chapter, owners and operators of wells that do not fall within the Class IV category but that are used to dispose of radioactive wastes (as defined in 10 CFR part 20, appendix B, table II, column 2, but not including high level and transuranic wastes and spent nuclear fuel covered by 40 CFR part 191) shall comply with all of the requirements applicable to Class I injection wells in 40 CFR parts 124, 144 and 146 as supplemented by this subpart.

APPENDIX A TO SUBPART HHH OF PART 147—EXEMPTED AQUIFERS IN NEW MEXICO

The areas described by a one-quarter mile radius around the following Class II wells in the listed formations are exempted for the purpose of Class II injection.

Sec.						Well No.
Arco Oil & Gas Co.—Operator/Horseshoe Gallup—Field/Gallup—Formation						
SE/NE	5	T30N	R16W	1650′FNL	330′FEL	134
NW/NW	30	T31N	R16W	660′FNL	703′FWL	8
SE/SW	28	T31N	R16W	790′FSL	2150′FWL	167
NW/SE	33	T31N	R16W	1710′FSL	2310′FEL	199
SE/NW	35	T31N	R16W	2105′FNL	2105′FWL	196
NW/NW	4	T30N	R16W	455′FNL	4435′FEL	219
NW/SW	33	T31N	R16W	1980′FSL	386′FWL	65
NW/SE	27	T31N	R16W	1980′FSL	2080′FEL	164
SE/SE	30	T31N	R16W	660′FSL	660′FEL	5
NW/NW	34	T31N	R16W	730′FNL	515′FWL	180
NW/NE	34	T31N	R16W	813′FNL	2036′FEL	182
NW/NE	2	T30N	R16W	720′FNL	2040′FEL	229
NW/NW	29	T31N	R16W	660′FNL	660′FWL	24
NW/SW	13	T31N	R17W	1975′FSL	670′FWL	77
NW/SE	29	T31N	R16W	1980′FSL	1980′FEL	22
SE/SW	27	T31N	R16W	660′FSL	1980′FWL	171
NW/SW	35	T31N	R16W	1980′FSL	660′FWL	205
SE/NW	30	T31N	R16W	1980′FNL	2061′FWL	7
NW/NE	31	T31N	R16W	660′FNL	1980′FEL	17
NW/NE	4	T30N	R16W	330′FNL	2160′FEL	221
NW/NE	29	T31N	R16W	660′FNL	1980′FEL	26
SE/NE	34	T31N	R16W	1990′FNL	645′FEL	194
SE/SE	31	T31N	R16W	640′FSL	660′FEL	27
NE/SW	14	T31N	R17W	2250′FSL	2630′FWL	94
NE/NW	14	T31N	R17W	625′FNL	1995′FWI,	69
SE/NW	10	T30N	R16W	1900′FNL	2080′FWL	271
SE/SE	29	T31N	R16W	560′FSL		21
SE/NE	30	T31N	R16W	1980′FNL	660′FEL	10
SE/NW	29	T31N	R16W	2080′FNL	1980′FWL	23
NW/SE	25	T31N	R17W	1980′FSL	1980′FEL	122
SE/SW	32	T31N	R16W	660′FSL	1980′FWL	14
NW/SW	30	T31N	R16W	2021′FSL	742′FWL	19
SE/SW	13	T31N	R17W	660′FSL	1980′FWL	82
NW/NW	27	T31N	R16W	520′FNL	660′FWL	150
SE/SE	28	T31N	R16W	660′FSL	660′FEL	169
NW/SW	29	T31N	R16W	1980′FSL	660′FWL	11
SE/NW	34	T31N	R16W	2310′FNL	1650′FWL	192
SE/NW	29	T31N	R16W	660′FSL	1980′FWL	12
NW/SW	27	T31N	R16W	1650′FSL	330′FWL	162
NE/SE	23	T31N	R17W	1880′FSL	340′FEL	96
NW/SW	24	T31N	R17W	2050′FSL	990′FWL	97
SE/NW	4	T30N	R16W	2060′FNL	1710′FWL	232
NW/NW	31	T31N	R16W	620′FNL	701′FWL	30
NW/SE	35	T31N	R16W	1980′FSL	1980′FEL	207
SE/NE	32	T31N	R16W	1980′FNL	417′FEL	20
NE/NW	28	T31N	R16W	1980′FNL	1980′FEL	152
NE/NW	34	T31N	R16W	2140′FSL	735′FWL	201
SE/NW	3	T30N	R16W	2310′FNL	1640′FWL	236
SE/SW	34	T31N	R16W	660′FSL	1980′FWL	213
NW/NE	30	T31N	R16W	660′FNL	1980′FFL	9
SE/SW	26	T31N	R16W	660′FSL	1980′FWL	175
NW/SE	30	T31N	R16W	1980′FSL	1980′FEL	6
SE/NW	9	T30N	R16W	1650′FNL	2131′FWL	264
NW/SW	4	T30N	R16W	2310′FSL	4390′FEL	242
NW/SW	2	T30N	R16W	1980′FSL	660′FWL	250
NW/NW	33	T31N	R16W	660′FNL	386′FWL	66