

SUPPLEMENTARY INFORMATION:

Background

The final rule that is the subject of this correction was intended to provide policy changes to better meet the needs of the insured, include the current fresh market tomato (dollar plan) endorsement under the Common Crop Insurance Policy for ease of use and consistency of terms, and to restrict the effect of the current fresh market tomato (dollar plan) endorsement to the 1997 and prior crop years.

Need for Correction

As published, the final regulation contained a technical error which may prove to be misleading and is in need of clarification.

Correction of Publication

Accordingly, the publication on March 28, 1997, of the final regulation at 62 FR 14775-14780 is corrected as follows:

PART 457—[CORRECTED]**§ 457.139 [Corrected]**

On page 14780, in the first column, in § 457.139, the paragraph following section 14(b)(4)(ii)(B) is corrected to read:

“(5) Multiplying the result of section 14(b)(4) by your share.”

Signed in Washington D.C. on November 25, 1997.

Kenneth D. Ackerman,

Manager, Federal Crop Insurance Corporation.

[FR Doc. 97-31545 Filed 12-1-97; 8:45 am]

BILLING CODE 3410-08-P

NUCLEAR REGULATORY COMMISSION**10 CFR Parts 30 and 32**

RIN 3150-AF70

Exempt Distribution of a Radioactive Drug Containing One Microcurie of Carbon-14 Urea

AGENCY: Nuclear Regulatory Commission.

ACTION: Final rule.

SUMMARY: The Nuclear Regulatory Commission (NRC) is amending its regulations to permit NRC licensees to distribute a radioactive drug containing one microcurie of carbon-14 urea to any person for “in vivo” diagnostic use. The NRC has determined that the radioactive component of such a drug in capsule form presents an insignificant radiation risk and, therefore, regulatory control of

the drug for radiation safety is not necessary. This amendment makes the drug more widely available and reduces costs to patients, insurers, and the health care industry. This action grants a petition for rulemaking (PRM-35-12) from Tri-Med Specialties, Inc. and completes action on the petition.

EFFECTIVE DATE: January 2, 1998.

ADDRESS: Copies of the public record, including the final regulatory analysis and any public comments received on the proposed rule, may be examined and copied for a fee in the Commission's Public Document Room at 2120 L Street, NW. (Lower Level), Washington, DC.

FOR FURTHER INFORMATION CONTACT: Dr. Anthony N. Tse, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone (301) 415-6233 or e-mail at ANT@nrc.gov.

SUPPLEMENTARY INFORMATION:

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List of Subjects**I. The Petition for Rulemaking**

On October 6, 1994, the Commission docketed a petition for rulemaking (Docket No. PRM-35-12) from Tri-Med Specialties, Inc (Tri-Med). In a letter dated August 23, 1994, Tri-Med petitioned the NRC to amend its regulations “to allow for the general licensing and/or exemption for the commercial distribution by licensed pharmaceutical manufacturers of a capsule containing one micro-Curie (μ Ci) of C-14-urea for in vivo diagnostic testing.” The purpose of this diagnostic test is to detect the presence of the bacterium *Helicobacter pylori* (*H. pylori*), a cause of peptic ulcers in humans.

Following the receipt of the petition, the NRC published for public comment a notice of receipt of petition for rulemaking in the **Federal Register** on December 2, 1994 (59 FR 61831). The comment period closed on February 15, 1995. The NRC received 315 public comment letters, of which 313 supported the petition (they were

mostly form letters) and 2 letters opposed the petition.

II. Proposed Rule, Public Comments, and NRC Responses

A proposed rule was published on June 16, 1997 (62 FR 32552) that would permit NRC licensees to distribute capsules containing one microcurie C-14 urea to any person for “in vivo” diagnostic use. The public comment period closed on July 16, 1997.

In the preamble of the proposed rule, the NRC stated that, because the capsules present an insignificant radiological risk to the public and the environment, the NRC believes the capsules could be distributed for “in vivo” diagnostic use to persons exempt from licensing.

This change makes the drug more widely available and reduces costs to patients, insurers, and the health care industry.

The NRC received seven public comment letters on the proposed rule: three from industry, three from State agencies, and one from a physician associated with a university medical facility. Four commenters supported the rule, one opposed the rule, and two provided comments but did not explicitly state whether they supported or opposed the rule. Public comments and NRC's responses are presented below.

Comment 1: Under the proposed distribution, the NRC should not be forbidding research use of this drug by the same physicians who may use it clinically. Research use also should be permitted under this exemption because the radiological risk for using C-14 capsules is insignificant.

Response: The NRC did not change the final rule in response to this comment. A common rule entitled “Federal Policy for the Protection of Human Subjects; Notices and Rules” was promulgated by 16 Federal agencies on June 18, 1991 (56 FR 28002) and was intended to ensure the protection of human research subjects. This rule was adopted to implement a recommendation of the President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research which was established on November 9, 1978, by Public Law 95-622. The Federal Policy requires that Federal agencies that conduct, fund, support, or regulate research involving human subjects ensure adequate protection of the rights of the human subjects. The Federal policy represents a societal determination that any research (including research involving radioactive material) must provide for

the following minimal protections for the human subjects: (1) that the research is approved by an Institutional Review Board (IRB) and (2) that the human subject gives informed consent to participate in the research. Further, these protections must be provided regardless of whether or not there is any risk of consequences (including radiological consequences). This view is supported by the fact that during the public comment period of the common rule, a commenter suggested that all minimal risk research be exempt from the regulations; however, the final rule did not adopt this comment.

NRC did not participate in the promulgation of the common rule. Subsequently, the NRC adopted 10 CFR 35.6 that requires a licensee who conducts research involving human subjects using byproduct material to obtain informed consent from the human subjects and obtain prior approval by an IRB. Although the NRC did not adopt the common rule, the intention is to follow the essential requirements of the common rule. Because the common rule does not provide an exemption for research involving minimal risk, the Commission has determined that such research use should not be exempt from 10 CFR 35.6.

Comment 2: Two commenters expressed concerns that the proposed rule language, "not exceeding one microcurie," appeared to indicate that the upper limit of the radioactivity in a capsule is exactly one microcurie of C-14. Both stated that it is not possible to make the capsules to exactly one microcurie because of statistical deviations during the manufacturing process.

Response: The NRC agrees with the commenters. The proposed rule did not intend to limit the radioactivity of C-14 to exactly one microcurie. The final rule language has been modified to read "capsules containing one microcurie C-14 urea (allowing for nominal variation that may occur during the manufacturing process)."

Comment 3: One commenter stated that, when the total amount of energy released from complete decay of a radionuclide is considered, one microcurie of C-14 has the largest energy release, because of its long half-life, when compared to one microcurie of Tc-99m or I-131. The commenter concluded that, given the insignificant radiation risk from the diagnostic use of C-14 urea, the radiation risk from the diagnostic use of Tc-99m or I-131 also would be insignificant.

Response: In comparing the hazard significance of the one microcurie C-14 Urea diagnostic test to the extensive use

of Tc-99m and I-131, the NRC did not evaluate the dose to the patient because this dose would be justified for medical reasons. Justification for retaining some licensing control on the medical use of Tc-99m and I-131 while exempting the one microcurie carbon-14 urea capsules relies on the relative occupational hazards to technicians and physicians administering the radiopharmaceuticals.

Administering an encapsulated dosage of one microcurie C-14 involves virtually no occupational dose due to the low energy beta radiation and minimal possibility for contamination of personnel or facilities. On the other hand dosages of Tc-99m and I-131 entail extracting 10s to 100s of millicurie amounts, often in liquid form, from shielded sources of even higher activity. The possibility of direct exposure to gamma radiation and the possibility of contamination requires that radiation protection measures be in place to maintain exposure to staff as low as is reasonably achievable.

Tc-99m and I-131, having relatively short half-lives, present minimal environmental hazard. C-14 as urea is excreted from the patient as carbon dioxide (CO₂) which diffuses into the atmosphere. Based on a calculation found in the regulatory analysis for this rule, the current world inventory of naturally occurring C-14 results in an average dose to members of the public of about 1.25 mrem/yr. A release of 0.6 curies of C-14 from the 600,000 tests expected to be administered annually, would result in an additional average annual dose of 2×10^{-7} mrem. Comparing this estimate to the EPA Clean Air Act reporting level of 1 mrem/year, this new test is environmentally insignificant.

Comment 4: Because of the small quantity of radioactive material in C-14 capsules, this product may be disposed of in the general trash. To avoid unnecessary concern for health risks in the disposal of the product, labels should contain a statement that the product may be disposed of in the general trash.

Response: In the final rule, the label requirements include a statement that the product may be disposed of in ordinary trash.

Comment 5: The Commenter agrees that the widespread use of this product will require uniform regulations and that Agreement States will need to make appropriate regulatory provisions to enable persons to receive the drug for "in vivo" diagnostic use. To avoid confusing licensees and users, these changes to NRC and Agreement State regulations should be made simultaneously. The commenter urges

that the NRC take action to expedite the Agreement State regulatory changes.

Response: The NRC has urged the Agreement States to adopt compatible changes in their regulations expeditiously. However, under NRC's Adequacy and Compatibility Policy, Agreement States have up to three years to change their regulations for amendments or program requirements that are items of compatibility.

Comment 6: The NRC should address this rule in its ongoing effort to revise 10 CFR Part 35 in its entirety. The commenter believes that (1) this rule represents a piecemeal effort to respond to a narrow issue and (2) the issue of reduced regulation for medical use of C-14 capsules is applicable to the same extent for virtually the entire range of diagnostic radioisotopes.

Response: If this rule is combined with the overall 10 CFR part 35 revision, the C-14 capsules would only be available to authorized user physicians during the revision period. Thus, the NRC decided to proceed with this rule now because the benefits of making this capsule available to anyone, including primary-care physicians, outweigh the benefits of addressing this issue in the overall revision of 10 CFR part 35.

Comment 7: An appropriate function of the regulatory regime is to assure that personnel handling and administering radioactive drugs meet certain basic training and qualification requirements. The proposed exemption would impose no training or qualification requirements on users.

Response: The amount of radiation safety training needed for personnel depends on the level of radiation risk associated with the radioactive drug. Because C-14 capsules present insignificant radiation risk, radiation safety training for personnel handling and administering the capsule is not necessary, and thus, not required.

Comment 8: If the NRC promulgates the proposed rule in its present form, the exemption will divest the Agreement States of any authority to regulate this product under a general or specific license. Had the NRC instead simply proposed a general license, Agreement State agencies would retain the authority to adopt the general license or continue to require specific licensing.

Response: In the draft rulemaking plan, the NRC suggested using the general license approach. The NRC received nine comment letters from Agreement States on the draft rulemaking plan; three suggested that an exemption approach would be more appropriate because it would be less costly to the Agreement States and their

licensees than the general license approach.

Based on these comments, the NRC chose the exemption approach in the final rule plan as more cost-effective than a general license approach. The final rulemaking plan was revised accordingly and was provided to the Agreement States. No Agreement States expressed opposition to the NRC on the exemption approach.

Among the seven public comment letters received on the proposed rule, two were from Agreement States and one from a non Agreement State. All three supported the proposed rule.

Comment 9: The environmental assessment fails to consider the fact that another equally noninvasive, but nonradiological, diagnostic procedure (such as C-13 test) is available and provides a comparable alternative to the C-14 test. The apparent assumption underlying the environmental assessment is that in the absence of the C-14 test, the only alternative for the detection of *H. pylori* is invasive gastroendoscopy.

Response: Because the C-14 urea capsules are already available to authorized user physicians, the only regulatory issue in this rulemaking is whether the C-14 method should be made available to individuals who are not authorized users. The purpose of the environmental assessment is to consider and document whether the subject rule is expected to have any significant impact to the environment. In this environment assessment, the NRC has determined that the environmental impact is expected to be insignificant because of the extremely low radiological hazards associated with the use of capsules containing one microcurie C-14 urea. The presence of an additional non-invasive alternative procedure does not affect NRC's determination of no significant environmental impact.

Comment 10: NRC's policy in the past has been not to exempt byproduct material that is ingested. Any change in this policy would be a significant departure from existing NRC regulations.

Response: This change is a departure from existing NRC regulations. In the statement of consideration for the proposed rule, under the heading "Current NRC Regulations on Exemptions From Licensing," the NRC stated that, although two broad material exemptions (§ 30.14, "Exempt concentrations," and § 30.18, "Exempt quantities") exclude the transfer of byproduct material contained in any product designed for ingestion or inhalation by a human being, the C-14

capsules manufactured or prepared as a radioactive drug can be distributed to persons exempt from licensing for "in vivo" diagnostic use because the capsules present an insignificant radiological risk to the public and the environment. This exemption only applies to the diagnostic use of capsules containing one microcurie C-14 manufactured or prepared as a radioactive drug to make a clear distinction between this radioactive drug that is intended for ingestion by humans and other uses of C-14 urea and byproduct material distributed under §§ 30.14 and 30.18.

Comment 11: The ACMUI's (Advisory Committee on Medical Uses of Radioisotopes) conclusions that either an exemption or general license is appropriate for the C-14 product do not address the fundamental aspects of nuclear safety. Its judgment was based partially on the assumptions: (1) the product may only be dispensed by prescription, (2) the product is approved by the Food and Drug Administration, and (3) the office/facility using the product will be subject to Clinical Laboratory Improvement Amendment (CLIA) regulation.

Response: The transcript from the ACMUI meeting shows the Committee did include radiation safety in its considerations and did not consider it to be an issue. Further, as stated in the supplemental material supporting the proposed rule, there are no nuclear safety issues associated with the use of the C-14 capsules for clinical diagnostic testing. Therefore, use of either an exemption or general license is appropriate.

Comment 12: The exemption approach does not provide the NRC with flexibility to impose a limitation on the amount of C-14 capsules any physician can possess in an office. In the event there is a recall of the product, or a large amount of product becomes unusable, the NRC will have no control over the disposal of the product.

Response: It is not necessary to impose a possession limit on the amount of C-14 capsules because the radiation risk is insignificant. The earth's atmosphere contains an inventory of naturally occurring C-14 of about 3.8 million curies which is in addition to the huge inventory of about 240 million curies in the world's oceans. The small amount of C-14 released into the atmosphere from the use of this test would mix with the global inventory and would have no impact on public health. The current world inventory of naturally occurring C-14 results in an average dose to the public of about 1.25 mrem per year, and

the release of 0.6 curies of C-14 from the total of 600,000 tests assumed to be administered annually would result in an additional average annual dose of 2×10^{-7} mrem. In the event that a recall is necessary, the manufacturer may use the same process for recalling any other non-radioactive drugs. If C-14 urea capsules are returned to the manufacturers, they will be disposed of in accordance with the manufacturer's possession license. A user, however, can dispose the C-14 urea capsules as ordinary trash. Medical users of the C-14 urea test would be unlikely to acquire significant quantities of capsules because they can be ordered within a few days. Thus, even under a recall, the impact of disposing of C-14 urea capsules into landfills by the user would also be insignificant.

Comment 13: It is essential that end users be adequately informed of the product's radioactive characteristics, so that some form of storage, use, and disposal precautions can be followed. Thus, the labeling must be conspicuously and prominently placed. The commenter suggested the following: (1) the phrase "conspicuously and prominently" in front of the proposed labeling "bears the words Radioactive Material" should be added, and (2) the NRC should require that the radioactive material legend, "Radioactive Material," be included on promotional brochures.

Response: Because the radiation risk from C-14 capsules is insignificant, regulatory control of the use, storage, and disposal of the drug for purpose of radiation safety is not necessary. In fact, the label accompanying C-14 capsules is required to indicate that the capsules may be disposed of by users as ordinary trash. Paragraph(a)(6) of § 32.21 requires that applicants submit copies of prototype labels and brochures for NRC approval. The NRC will ensure that the labels meet the requirements of § 32.21a before they are approved. Since paragraph (a) of § 32.21a specifies that the label must be durable and legible, the use of an additional phrase such as "conspicuously and prominently" is unnecessary. Promotional brochures are for information only; manufacturers are not required to indicate on the promotional brochures that C-14 is a radioactive material.

III. Summary of the Final Amendments

Final Amendment to 10 CFR Part 32

The regulations in 10 CFR part 32 are amended to add new §§ 32.21 and 32.21a, to provide requirements for a specific license to manufacture, prepare, process, produce, package, repackage, or transfer for commercial distribution,

capsules containing one microcurie of C-14 urea, as a radioactive drug, to be distributed to any person for "in vivo" diagnostic use. These requirements are consistent with the existing requirements on other items under the heading "Exemptions" in 10 CFR part 30. The amendment includes a reminder that licensees distributing the radioactive drug to persons exempt from licensing would not be relieved from other applicable Federal (e.g., FDA) or State requirements governing the manufacture and distribution of drugs.

The amendment requires that the manufacture or preparation of capsules containing one microcurie of C-14 urea be prepared by persons who meet the current NRC regulations to manufacture and commercially distribute radioactive drugs. The NRC believes regulatory control is needed to provide high confidence that the drug contains one microcurie of C-14 urea and does not contain any other radioactive contaminants.

Final Amendment to 10 CFR Part 30

The NRC has determined that the drug in capsule form presents an insignificant radiological safety and environmental risk, and that it is not necessary to regulate the use of this drug for its radioactive component. Therefore, the NRC can not justify requiring physicians, or any other person, to meet NRC training and experience criteria directed at the safe use of radioactive drugs, or to become an "authorized user." Hence, the capsules can be distributed to any person. However, other Federal or State agencies may limit the receipt and use of the capsules in accordance with their own requirements.

The regulations in 10 CFR part 30 are amended to add a new § 30.21, to permit any person to receive, possess, use, transfer, own, or acquire for "in vivo" diagnostic use, capsules containing one microcurie of C-14 urea without a license. The final regulation includes a reminder that persons receiving the capsules would not be relieved from other Federal or State law governing drugs. Further, in accordance with the NRC's provisions for research involving human subjects (10 CFR 35.6), the exemption permitting receipt and use of the capsules for "in vivo" diagnostic use does not extend to use of the capsules for research involving human subjects. Any person desiring to use the capsules for human research would still be required to submit an application for a specific license under part 35. The phrase "in vivo diagnostic use" was selected to describe the activity

authorized in § 30.21 to differentiate it from the term "medical use" because:

(1) "Medical use" limits administration to authorized users; use of this drug would not be so limited; and

(2) "Medical use" includes the administration of the drug to a human research subject, which would continue to require a specific license pursuant to part 35 under this rulemaking.

Effects of the Final Amendments

The final amendments make the drug available to any person, for "in vivo" diagnostic use, without need for an NRC or Agreement State license. Because the receipt and use of the drug are exempt from NRC licensing, Agreement States need to make appropriate provisions in their regulations to recognize the exempt distribution of the drug, for "in vivo" diagnostic use. Thus after the manufacture and distribution of the drug, the NRC and the Agreement States will not regulate the use of the drug as long as its use is for "in vivo" diagnostic use. This means that, under NRC and Agreement State regulations, primary-care physicians do not need to be "authorized users" in order to administer the drug, and do not need to refer their patients to nuclear medicine physicians. This should result in cost savings to patients. Other Federal and State organizations with responsibilities for regulating drugs will determine and regulate who can receive and use the drug for "in vivo" diagnostic use. NRC will continue to regulate the use of the drug for research involving human subjects under a specific part 35 license.

IV. Description of the Final Amendments

The final amendments are the same as the proposed amendments except for two minor changes. Public comments suggested that the phrase "carbon-14 urea capsules not exceeding one microcurie" used in the proposed rule may be interpreted as an exact limit of one microcurie per capsule (See Comment 2 under the heading "Public Comment and NRC Responses). The final rule has been modified and the phrase "capsules containing one microcurie carbon-14 urea (allowing for nominal variation that may occur during the manufacturing process)" is used. Another public comment suggested that labels should contain a statement that the product may be disposed of in the general trash. In the final rule, the label requirements include such a statement.

Manufacturer and Distributors

A new section is added to 10 CFR Part 32 to permit the distribution of the

capsules to persons who are exempt from licensing.

Section 32.21 Radioactive Drug: Manufacture, Preparation, or Transfer for Commercial Distribution of Capsules Containing one Microcurie Carbon-14 Urea Each for "in Vivo" Diagnostic use for Humans to Persons Exempt From Licensing; Requirements for a License

Paragraph (a)

This paragraph establishes the requirements for approval of a license application to manufacture, prepare, process, produce, package, repack, or transfer for commercial distribution, capsules containing one microcurie carbon-14 urea each for "in vivo" diagnostic use, to persons exempt from licensing.

Paragraph (a)(1)

This paragraph limits issuance of an "exempt distribution license" for distribution of the capsules to persons exempt from licensing to only those who possess either a NRC or Agreement State "specific license" for possession and use of byproduct material.

Paragraph (a)(2)

To assure that the capsules contain one microcurie of carbon-14 and present no other radiological risks, this paragraph requires that the persons manufacturing and/or commercially distributing the capsules for "in vivo" diagnostic use must also meet the requirements of § 32.72(a)(2). Specifically, these persons must be:

- (1) Registered with or licensed by the FDA as a drug manufacturer; or
- (2) Registered with or licensed by a state agency as a drug manufacturer; or
- (3) Licensed as a pharmacy by a State Board of Pharmacy; or
- (4) Operating as a nuclear pharmacy within a Federal medical institution.

Paragraph (a)(3)

This paragraph requires applicants to provide evidence that each carbon-14 urea capsule contains one microcurie. The NRC's evaluation that the capsules would result in insignificant radiation risks was based on the capsules containing one microcurie of carbon-14 urea. Therefore, applicants must demonstrate that the activity of each carbon-14 capsule contains one microcurie, allowing for nominal variation that may occur during the manufacturing process.

Paragraph (a)(4)

This paragraph prohibits carbon-14 urea from being contained in any food, beverage, cosmetic, drug or other commodity designed for ingestion or

inhalation by, or topical application to, a human being except for the capsules as described in this section, because exempt distribution of this drug has only been evaluated for "in vivo" diagnostic use in the form of a capsule containing one microcurie of carbon-14 urea. There is no prohibition against the capsule being combined with food or beverage at the time of administration so that the capsule can be ingested by the patient.

Paragraph (a)(5)

Because the exempt distribution of this drug has only been evaluated for "in vivo" diagnostic use in the form of a capsule containing one microcurie of carbon-14 urea, this paragraph prohibits incorporation of the capsules into any manufactured or assembled commodity, product, or device intended for commercial distribution. Further, although the drug is being distributed to persons exempt from licensing, this paragraph requires the carbon-14 urea to be identified as radioactive because the drug is being used for its radioactive content; therefore, the end user must be provided with information that the drug contains a radioactive material.

Paragraph (a)(6)

As with any product approved for distribution to persons exempt from licensing, this paragraph requires persons who apply for a license to manufacture or commercially distribute these capsules to submit copies of prototype labels or brochures for NRC approval. This will allow the NRC to confirm that the labels or brochures meet the requirements of § 32.21a (a) and (b).

Paragraph (b)

This paragraph declares that the regulations do not relieve licensees or applicants from complying with applicable FDA, other Federal, and State requirements governing the manufacture and distribution of drugs.

Section 32.21a Same: Conditions of License

This section establishes the conditions required for a licensee to commercially distribute the capsules to persons exempt from licensing.

Paragraph (a)

To inform the end user of the identity of the radioisotope, the physical and chemical form, and the dosage of radioactivity, this paragraph establishes that the immediate container of each capsule or capsules must bear a durable, legible label that:

(1) Identifies the radioisotope, the physical and chemical form of the radioisotope, the quantity of radioactivity contained in each container at a specific date; and

(2) Bears the words "Radioactive Material."

The date requirement is consistent with labeling requirements for other radioactive drugs with a half life of greater than 100 days.

Paragraph (b)

This paragraph establishes that, consistent with the intended use of the capsules, the label affixed to the immediate container, or an accompanying brochure, must:

(1) State that the contents are exempt from NRC or Agreement State licensing requirements;

(2) Bear the words "Radioactive Material. For "In Vivo" Diagnostic Use Only. This Material Is Not To Be Used for Research Involving Human Subjects, and Must Not Be Introduced into Foods, Beverages, Cosmetics, or Other Drugs or Medicinals, or into Products Manufactured for Commercial Distribution. This Product May Be Disposed of in Ordinary Trash."

The intent of the requirement set out in Paragraph (b)(2) is to make clear that the capsule must remain in the form of a capsule and is not to be combined with one of the listed items such as food or beverages which would result in a radioactive product other than in the form of a capsule for commercial distribution. There is no prohibition against the capsule being combined with food or beverage at the time of administration so that the capsule can be ingested by the patient. This label also informs the user that this product may be disposed of in ordinary trash.

"In Vivo" Diagnostic use by Persons Exempt From Licensing

A new section is added to 10 CFR Part 30 to exempt any person from NRC or the Agreement State regulations to receive the drug for "in vivo" diagnostic use for humans.

Section 30.21 Radioactive Drug: Capsules Containing one Microcurie of Carbon-14 Urea for "In Vivo" Diagnostic use for Humans

Paragraph (a)

This paragraph provides an exemption to any person from the requirements for a license to receive, possess, use, transfer, own, or acquire capsules containing one microcurie of carbon-14 urea for "in vivo" diagnostic purposes. It should be noted that the "transfer" in this paragraph does not

include "transfer for commercial distribution," which is covered in paragraph (c) of this section.

Paragraph (b)

This paragraph establishes that persons who desire to use the drug for research involving human subjects must apply for and receive a specific part 35 license. Such a license would ensure the protection of the rights of the human subjects by requiring that the research be approved by an IRB and that the human subjects give their informed consent to participate in the research.

Paragraph (c)

This paragraph specifies that a specific license is needed to manufacture, prepare, process, produce, package, repack or transfer such capsules for commercial distribution.

Paragraph (d)

This paragraph declares that the regulations do not relieve end users from complying with applicable FDA, other Federal, or State requirements governing the receipt, administration, and use of drugs.

V. Agreement State Compatibility

Under the Atomic Energy Act, certain regulatory functions are reserved to the NRC. Among these are the distribution of products to persons exempt from licensing, as discussed in 10 CFR part 150. Hence, amendments related to the manufacture and commercial distribution of the capsules (10 CFR part 32) is a Division 4 item of compatibility (Category NRC under the new adequacy and compatibility policy). However, amendments related to possession and use (10 CFR part 30) are a Division 1 item of compatibility (Category B under the new adequacy and compatibility policy) because of the need for nationwide consistency in the use of products which are widely distributed. Therefore, the Agreement States will need to make appropriate provisions in their regulations to allow any person to receive capsules containing one microcurie of carbon-14 urea for "in vivo" diagnostic use in humans without need for a license.

VI. Finding of No Significant Environmental Impact: Availability

The Commission has determined under the National Environmental Policy Act of 1969, as amended, and the Commission's regulations in Subpart A of 10 CFR part 51, that the final rule is not a major Federal action significantly affecting the quality of the human environment; therefore, an environmental impact statement is not

required. The final rule establishes requirements for the manufacture and commercial distribution of carbon-14 urea capsules to persons exempt from licensing and establishes regulations to permit any person to receive the capsules without an NRC license. The Commission believes that the radioactive component of this drug presents an insignificant radiation risk and, therefore, regulatory control of the "in vivo" diagnostic use of the capsules for radiation safety is not necessary. It is expected that this final rule will not cause any significant increase in radiation exposure to the public or radiation release to the environment beyond the exposures or releases resulting from the use of the carbon-14 capsules under the current regulations. Also, it is expected that there will be no non-radiological impacts. One public comment on the draft environmental assessment has been received (See Comment 9 under the heading "Proposed Rule, Public Comments, and NRC Responses").

The environmental assessment and finding of no significant impact on which this determination is based is available for inspection at the NRC Public Document Room, 2120 L Street NW. (Lower Level), Washington, DC. Single copies of the environmental assessment and the finding of no significant impact are available from Dr. Anthony N. Tse, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone (301) 415-6233 or e-mail at ANT@nrc.gov.

VII. Paperwork Reduction Act Statement

This final rule amends information collection requirements that are subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 *et seq.*). These requirements were approved by the Office of Management and Budget, approval numbers 3150-0001, 3150-0017, and 3150-0120.

The public reporting burden for this collection of information is estimated to average 16 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments on any aspect of this collection of information, including suggestions for reducing the burden, to the Information and Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet electronic mail at BJS1@NRC.GOV; and to the Desk Officer, Office of Information and

Regulatory Affairs, NEOB-10202, (3150-0001, 3150-0017, and 3150-0120), Office of Management and Budget, Washington, DC 20503.

Public Protection Notification

The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

VIII. Regulatory Analysis

The NRC has prepared a regulatory analysis for the final rule. The analysis examines the benefits and impacts considered by the NRC. No public comments on the draft regulatory analysis have been received during the public comment period. The regulatory analysis is available for inspection at the NRC Public Document Room, 2120 L Street NW. (Lower Level), Washington, DC. Single copies of the regulatory analysis are available from Dr. Anthony N. Tse, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone (301) 415-6233 or e-mail at ANT@nrc.gov.

IX. Regulatory Flexibility Certification

As required by the Regulatory Flexibility Act of 1980, 5 U.S.C. 605(b), the Commission certifies that this rule does not have a significant economic impact upon a substantial number of small entities. The final rule permits physicians and other health care providers to use an additional diagnostic test without having to obtain an NRC license, thus, would provide cost savings to patients, insurers, and the health care industry. The final rule does not impose any additional obligations on entities that may fall within the definition of "small entities" as set forth in Section 601(3) of the Regulatory Flexibility Act; or within the definition of "small business" as found in Section 3 of the Small Business Act, 15 U.S.C. 632; or within the size standards adopted by the NRC on April 11, 1995 (60 FR 18344).

X. Small Business Regulatory Enforcement Fairness Act

In accordance with the Small Business Regulatory Enforcement Fairness Act of 1996, the NRC has determined that this action is not "a major" rule and has verified this determination with the Office of Information and Regulatory Affairs, Office of Management and Budget.

XI. Backfit Analysis

The NRC has determined that the backfit rule, 10 CFR 50.109, does not apply to this rule, and therefore, a

backfit analysis is not required because these amendments do not involve any provisions that would impose backfits as defined in 10 CFR 50.109(a)(1).

XII. List of Subjects

10 CFR Part 30

Byproduct material, Criminal penalties, Government contracts, Intergovernmental relations, Isotopes, Nuclear materials, Radiation protection, Reporting and record keeping requirements.

10 CFR Part 32

Byproduct material, Criminal penalties, Labeling, Nuclear materials, Radiation protection, Reporting and recordkeeping requirements.

For the reasons set out in the preamble and under the authority of the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, as amended, and 5 U.S.C. 552 and 553, the NRC is adopting the following amendments to 10 CFR Parts 30 and 32.

PART 30—RULES OF GENERAL APPLICABILITY TO DOMESTIC LICENSING OF BYPRODUCT MATERIAL

1. The authority citation for part 30 continues to read as follows:

Authority: Secs. 81, 82, 161, 182, 183, 186, 68 Stat. 935, 948, 953, 954, 955, as amended, sec. 234, 83 Stat. 444, as amended (42 U.S.C. 2111, 2112, 2201, 2232, 2233, 2236, 2282); secs. 201, as amended, 202, 206, 88 Stat. 1242, as amended, 1244, 1246 (42 U.S.C. 5841, 5842, 5846).

Section 30.7 also issued under Pub. L. 95-601, sec.10, 92 Stat. 2951 as amended by Pub. L. 102-486, sec. 2902, 106 Stat. 3123, (42 U.S.C. 5851). Section 30.34(b) also issued under sec. 184, 68 Stat. 954, as amended (42 U.S.C. 2234). Section 30.61 also issued under sec. 187, 68 Stat. 955 (42 U.S.C. 2237).

2. In § 30.8, paragraph (b) is revised to read as follows:

§ 30.8 Information collection requirements: OMB approval.

* * * * *

(b) The approved information collection requirements contained in this part appear in §§ 30.9, 30.11, 30.15, 30.18, 30.19, 30.20, 30.21, 30.32, 30.34, 30.35, 30.36, 30.37, 30.38, 30.41, 30.50, 30.51, 30.55, appendices A and C to this part.

* * * * *

3. A new § 30.21 is added under the undesignated center heading "Exemptions" to read as follows:

§ 30.21 Radioactive drug: Capsules containing carbon-14 urea for "in vivo" diagnostic use for humans.

(a) Except as provided in paragraphs (b) and (c) of this section, any person is exempt from the requirements for a license set forth in Section 81 of the Act and from the regulations in this part and part 35 of this chapter provided that such person receives, possesses, uses, transfers, owns, or acquires capsules containing 37 kBq (1μ Ci) carbon-14 urea (allowing for nominal variation that may occur during the manufacturing process) each, for "in vivo" diagnostic use for humans.

(b) Any person who desires to use the capsules for research involving human subjects shall apply for and receive a specific license pursuant to part 35 of this chapter.

(c) Any person who desires to manufacture, prepare, process, produce, package, repack, or transfer for commercial distribution such capsules shall apply for and receive a specific license pursuant to § 32.21 of this chapter.

(d) Nothing in this section relieves persons from complying with applicable FDA, other Federal, and State requirements governing receipt, administration, and use of drugs.

PART 32—SPECIFIC DOMESTIC LICENSES TO MANUFACTURE OR TRANSFER CERTAIN ITEMS CONTAINING BYPRODUCT MATERIAL

4. The authority citation for Part 32 continues to read as follows:

Authority: Secs. 81, 161, 182, 183, 68 Stat. 935, 948, 953, 954, as amended (42 U.S.C. 2111, 2201, 2232, 2233); sec. 201, 88 Stat. 1242, as amended (42 U.S.C. 5841).

5. In § 32.8, paragraph (b) is revised to read as follows:

§ 32.8 Information collection requirements: OMB approval.

* * * * *

(b) The approved information collection requirements contained in this part appear in §§ 32.11, 32.12, 32.14, 32.15, 32.16, 32.17, 32.18, 32.19, 32.20, 32.21, 32.21a, 32.22, 32.23, 32.25, 32.26, 32.27, 32.29, 32.51, 32.51a, 32.52, 32.53, 32.54, 32.55, 32.56, 32.57, 32.58, 32.61, 32.62, 32.71, 32.72, 32.74, and 32.210.

* * * * *

6. A new § 32.21 is added to read as follows:

§ 32.21 Radioactive drug: Manufacture, preparation, or transfer for commercial distribution of capsules containing carbon-14 urea each for "in vivo" diagnostic use for humans to persons exempt from licensing; Requirements for a license.

(a) An application for a specific license to manufacture, prepare, process, produce, package, repack, or transfer for commercial distribution capsules containing 37 kBq (1μ Ci) carbon-14 urea (allowing for nominal variation that may occur during the manufacturing process) each for "in vivo" diagnostic use, to persons exempt from licensing under § 30.21 of this chapter or the equivalent regulations of an Agreement State will be approved if:

(1) The applicant satisfies the general requirements specified in § 30.33 of this chapter, provided that the requirements of § 30.33(a)(2) and (3) of this chapter do not apply to an application for a license to transfer byproduct material manufactured, prepared, processed, produced, packaged, or repackaged pursuant to a license issued by an Agreement State;

(2) The applicant meets the requirements under § 32.72(a)(2) of this part;

(3) The applicant provides evidence that each capsule contains 37 kBq (1μ Ci) carbon-14 urea (allowing for nominal variation that may occur during the manufacturing process);

(4) The carbon-14 urea is not contained in any food, beverage, cosmetic, drug (except as described in this section) or other commodity designed for ingestion or inhalation by, or topical application to, a human being;

(5) The carbon-14 urea is in the form of a capsule, identified as radioactive, and to be used for its radioactive properties, but is not incorporated into any manufactured or assembled commodity, product, or device intended for commercial distribution; and

(6) The applicant submits copies of prototype labels and brochures and the NRC approves these labels and brochures.

(b) Nothing in this section relieves the licensee from complying with applicable FDA, other Federal, and State requirements governing drugs.

7. A new § 32.21a is added to read as follows:

§ 32.21a Same: Conditions of license.

Each license issued under § 32.21 of this part is subject to the following conditions:

(a) The immediate container of the capsule(s) must bear a durable, legible label which:

(1) Identifies the radioisotope, the physical and chemical form, the

quantity of radioactivity of each capsule at a specific date; and

(2) Bears the words "Radioactive Material."

(b) In addition to the labeling information required by paragraph (a) of this section, the label affixed to the immediate container, or an accompanying brochure also must:

(1) State that the contents are exempt from NRC or Agreement State licensing requirements; and

(2) Bear the words "Radioactive Material. For "In Vivo" Diagnostic Use Only. This Material Is Not To Be Used for Research Involving Human Subjects and Must Not Be Introduced into Foods, Beverages, Cosmetics, or Other Drugs or Medicinals, or into Products Manufactured for Commercial Distribution. This Material May Be Disposed of in Ordinary Trash."

Dated at Rockville, Maryland, this 24th day of November, 1997.

For the Nuclear Regulatory Commission.

John C. Hoyle,

Secretary of the Commission.

[FR Doc. 97-31514 Filed 12-1-97; 8:45 am]

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NUCLEAR REGULATORY COMMISSION

10 CFR Part 73

RIN 3150-AF53

Changes to Nuclear Power Plant Security Requirements

AGENCY: Nuclear Regulatory Commission.

ACTION: Final rule.

SUMMARY: The Nuclear Regulatory Commission (NRC) is revising its regulations to delete certain security requirements associated with an internal threat. This action follows the NRC's reconsideration of nuclear power plant physical security requirements to identify those requirements that are marginal to safety, redundant, or no longer effective. This action will reduce the regulatory burden on licensees without compromising physical protection against radiological sabotage required for public health and safety.

EFFECTIVE DATE: January 16, 1998.

FOR FURTHER INFORMATION CONTACT: Dr. Sandra Frattali, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone (301) 415-6261, e-mail sdf@nrc.gov.