

SUPPLEMENTARY INFORMATION: See the information provided in the direct final rule located in the final rules section and the proposed rule located in the proposed rules section of the **Federal Register** published on March 20, 2001.

Dated: May 3, 2001.

A. Stanley Meiburg,

Acting Regional Administrator, Region 4.

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ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 261

[SW-FRL-6958-5]

Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Proposed Exclusion

AGENCY: Environmental Protection Agency (EPA).

ACTION: Proposed rule and request for comment.

SUMMARY: The EPA is proposing to use the Delisting Risk Assessment Software (DRAS) in the evaluation of a delisting petition. Based on waste specific information provided by the petitioner, EPA is proposing to use the DRAS to evaluate the impact of the petitioned waste on human health and the environment.

The EPA is also proposing to grant a petition submitted by Tenneco Automotive, Inc. (Tenneco) to exclude (or delist) certain solid wastes generated by its Paragould, Arkansas, facility from the lists of hazardous wastes contained in 40 CFR 261.24 and 261.31 (hereinafter all sectional references are to 40 CFR unless otherwise indicated).

Tenneco submitted the petition under sections 260.20 and 260.22(a). Section 260.20 allows any person to petition the Administrator to modify or revoke any provision of 40 CFR parts 260 through 266, 268 and 273. Section 260.22(a) specifically provides generators the opportunity to petition the Administrator to exclude a waste on a "generator specific" basis from the hazardous waste lists.

The Agency bases its proposed decision to grant the petition on an evaluation of waste-specific information provided by the petitioner. This proposed decision, if finalized, would exclude the petitioned waste from the requirements of hazardous waste regulations under the Resource Conservation and Recovery Act (RCRA).

If finalized, we would conclude that Tenneco's petitioned waste is

nonhazardous with respect to the original listing criteria and that the stabilization process Tenneco used will substantially reduce the likelihood of migration of constituents from this waste. We would also conclude that their process minimizes short-term and long-term threats from the petitioned waste to human health and the environment.

DATES: We will accept comments until June 25, 2001. We will stamp comments received after the close of the comment period as "late." These "late" comments may not be considered in formulating a final decision. Your requests for a hearing must reach EPA by June 11, 2001. The request must contain the information prescribed in 40 CFR 260.20(d).

ADDRESSES: Please send three copies of your comments. You should send two copies to William Gallagher, Delisting Section, Multimedia Planning and Permitting Division (6PD-O), Environmental Protection Agency, 1445 Ross Avenue, Dallas, Texas 75202. You should send a third copy to the Arkansas Department of Environmental Quality (ADEQ), P.O. Box 8913, Little Rock, Arkansas, 72209-8913. Identify your comments at the top with this regulatory docket number: "F-00-ARDEL-TENNECO."

You should address requests for a hearing to the Director, Carl Edlund, Multimedia Planning and Permitting Division (6PD), Environmental Protection Agency, 1445 Ross Avenue, Dallas, Texas 75202.

FOR FURTHER INFORMATION CONTACT: Michelle Peace at (214) 665-7430.

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I. Overview Information

A. What Action Is EPA Proposing?

The EPA is proposing:

(1) To grant Tenneco's petition to have its stabilized sludge excluded, or delisted, from the definition of a hazardous waste; and

(2) To use a fate and transport model to evaluate the potential impact of the petitioned waste on human health and the environment. The Agency would use this model to predict the concentration of hazardous constituents released from the petitioned waste, once it is disposed.

B. Why Is EPA Proposing To Approve This Delisting?

Tenneco's petition requests a delisting for listed hazardous wastes. Tenneco does not believe that the petitioned waste meets the criteria for which EPA listed it. Tenneco also believes no additional constituents or factors could cause the waste to be hazardous. The EPA's review of this petition included consideration of the original listing criteria, and the additional factors required by the Hazardous and Solid Waste Amendments of 1984 (HSWA). See section 3001(f) of RCRA, 42 U.S.C. 6921(f), and 40 CFR 260.22 (d)(1)-(4). In making the initial delisting determination, EPA evaluated the petitioned waste against the listing criteria and factors cited in § 261.11(a)(2) and (a)(3). Based on this review, the EPA agrees with the petitioner that the waste is nonhazardous with respect to the original listing criteria. (If the EPA had found, based on this review, that the

waste remained hazardous based on the factors for which the waste was originally listed, EPA would have proposed to deny the petition.) The EPA evaluated the waste with respect to other factors or criteria to assess whether there is a reasonable basis to believe that such additional factors could cause the waste to be hazardous. The EPA considered whether the waste is acutely toxic, the concentration of the constituents in the waste, their tendency to migrate and to bioaccumulate, their persistence in the environment once released from the waste, plausible and specific types of management of the petitioned waste, the quantities of waste generated, and waste variability. The EPA believes that the petitioned waste does not meet these criteria. The EPA's proposed decision to delist waste from Tenneco's facility is based on the information submitted in support of today's rule, *i.e.*, descriptions of the wastes and analytical data from the Paragould facility.

C. How Will Tenneco Manage the Waste if It Is Delisted?

Tenneco currently stores the petitioned waste (stabilized sludge) generated in containment vaults on-site at its facility. If the delisting exclusion is finalized, Tenneco will dispose of the sludge in a solid waste landfill in Arkansas.

D. When Would EPA Finalize the Proposed Delisting?

RCRA section 3001(f) specifically requires EPA to provide notice and an opportunity for comment before granting or denying a final exclusion. Thus, EPA will not grant the exclusion until it addresses all timely public comments (including those at public hearings, if any) on today's proposal.

RCRA section 3010(b)(1) at 42 U.S.C. 6930(b)(1), allows rules to become effective in less than six months when the regulated community does not need the six-month period to come into compliance. That is the case here, because this rule, if finalized, would reduce the existing requirements for persons generating hazardous wastes.

The EPA believes that this exclusion should be effective immediately upon final publication because a six-month deadline is not necessary to achieve the purpose of section 3010(b), and a later effective date would impose unnecessary hardship and expense on this petitioner. These reasons also provide good cause for making this rule effective immediately, upon final publication, under the Administrative Procedure Act, 5 U.S.C. 553(d).

E. How Would This Action Affect the States?

Because EPA is issuing today's exclusion under the Federal RCRA delisting program, only States subject to Federal RCRA delisting provisions would be affected. This would exclude two categories of States: States having a dual system that includes Federal RCRA requirements and their own requirements, and States who have received authorization from EPA to make their own delisting decisions.

Here are the details: We allow states to impose their own non-RCRA regulatory requirements that are more stringent than EPA's, under section 3009 of RCRA, 42 U.S.C. 6929. These more stringent requirements may include a provision that prohibits a Federally issued exclusion from taking effect in the State. Because a dual system (that is, both Federal (RCRA) and State (non-RCRA) programs) may regulate a petitioner's waste, we urge petitioners to contact the State regulatory authority to establish the status of their wastes under the State law.

The EPA has also authorized some States (for example, Louisiana, Georgia, Illinois) to administer a RCRA delisting program in place of the Federal program, that is, to make State delisting decisions. Therefore, this exclusion does not apply in those authorized States unless that State makes the rule part of its authorized program. If Tenneco transports the petitioned waste to or manages the waste in any State with delisting authorization, Tenneco must obtain delisting authorization from that State before they can manage the waste as nonhazardous in the State.

II. Background

A. What Is the History of the Delisting Program?

The EPA published an amended list of hazardous wastes from nonspecific and specific sources on January 16, 1981, as part of its final and interim final regulations implementing section 3001 of RCRA. The EPA has amended this list several times and published it in 40 CFR 261.31 and 261.32.

We list these wastes as hazardous because: (1) they typically and frequently exhibit one or more of the characteristics of hazardous wastes identified in subpart C of Part 261 (that is, ignitability, corrosivity, reactivity, and toxicity) or (2) they meet the criteria for listing contained in 261.11(a)(2) or (a)(3).

Individual waste streams may vary, however, depending on raw materials, industrial processes, and other factors.

Thus, while a waste described in these regulations generally is hazardous, a specific waste from an individual facility meeting the listing description may not be hazardous.

For this reason, sections 260.20 and 260.22 provide an exclusion procedure, called delisting, which allows persons to prove that EPA should not regulate a specific waste from a particular generating facility as a hazardous waste.

B. What Is a Delisting Petition, and What Does It Require of a Petitioner?

A delisting petition is a request from a facility to EPA or an authorized State to exclude wastes from the list of hazardous wastes. The facility petitions the Agency because it does not consider the wastes hazardous under RCRA regulations.

In a delisting petition, the petitioner must show that wastes generated at a particular facility do not meet any of the criteria for which the waste was listed. The criteria for which EPA lists a waste are in part 261 and further explained in the background documents for the listed waste.

In addition, under section 260.22, a petitioner must prove that the waste does not exhibit any of the hazardous waste characteristics (that is, ignitability, reactivity, corrosivity, and toxicity) and present sufficient information for EPA to decide whether factors other than those for which the waste was listed warrant retaining it as a hazardous waste. (See part 261 and the background documents for the listed waste.)

Generators remain obligated under RCRA to confirm whether their waste remains nonhazardous based on the hazardous waste characteristics even if EPA has "delisted" the waste.

C. What Factors Must EPA Consider in Deciding Whether To Grant a Delisting Petition?

Besides considering the criteria in section 260.22(a) and section 3001(f) of RCRA, 42 U.S.C. 6921(f), and in the background documents for the listed wastes, EPA must consider any factors (including additional constituents) other than those for which we listed the waste if a reasonable basis exists that these additional factors could cause the waste to be hazardous.

The EPA must also consider as hazardous waste mixtures containing listed hazardous wastes and wastes derived from treating, storing, or disposing of listed hazardous waste. See § 261.3(a)(2)(iii) and (iv) and (c)(2)(i), called the "mixture" and "derived-from" rules, respectively. These wastes are also eligible for exclusion and

remain hazardous wastes until excluded.

The "mixture" and "derived-from" rules are now final, after having been vacated, remanded, and reinstated. On December 6, 1991, the U.S. Court of Appeals for the District of Columbia vacated the "mixture/derived from" rules and remanded them to EPA on procedural grounds. See *Shell Oil Co. v. EPA.*, 950 F.2d 741 (D.C. Cir. 1991). EPA reinstated the mixture and derived-from rules, and solicited comments on other ways to regulate waste mixtures and residues. See 57 FR 7628 (March 3, 1992). These rules became final on October 30, 1992. See 57 FR 49278 (October 30, 1992). Consult these references for more information about mixtures and derived from wastes.

III. EPA's Evaluation of the Waste Information and Data

A. What Waste Did Tenneco Petition EPA To Delist?

On September 8, 2000, Tenneco petitioned the EPA to exclude from the lists of hazardous waste contained in §§ 261.31 and 261.32, stabilized sludge excavated from the Finch Road Landfill in Paragould, Arkansas. The waste falls under the classification of listed waste because of the "derived from" rule in 40 CFR 261.3. Specifically, in its petition, Tenneco requested that EPA grant an exclusion for 1,800 cubic yards of dewatered sludge resulting from its hazardous waste treatment process. The resulting waste is listed, in accordance with the "derived from" rule.

B. What Is Tenneco, and How Did It Generate This Waste?

In 1973, Monroe Auto Equipment Company (now Tenneco Automotive, Inc.) purchased a seven-acre tract of

land, which included an inactive sand and gravel borrow pit. This site was approved by the State to be used as a landfill. Approximately 15,400 cubic yards of waste water treatment sludge was deposited in the borrow pit between 1973 and 1978, the sludge originated from settling ponds that were used for the treated waste water from Tenneco's Paragould manufacturing plant. In 1996, a Superfund Record of Decision (ROD) was issued pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan at 40 CFR 300.430(f)(5) for the Finch Road Landfill. The ROD specified the requirements for remediation of the soil and groundwater at the site. In 1999, Tenneco submitted a petition to modify the ROD to include the excavation, treatment, and off-disposal of the waste in a Subtitle D landfill.

The Superfund removal action consisted of the excavation and segregation of the sludge; stabilizing the sludge with 10 percent lime addition; and stockpiling the stabilized sludge in an on-site lined containment cell.

The waste would not have been classified as RCRA hazardous waste in its original state because it was generated and placed in the Finch Road landfill prior to RCRA regulation. The stabilized sludge currently falls under the classification of listed waste because of the management (removal action) of the material occurred after the effective date of the rules in 1980. It is listed as F006, sludge from electroplating operations, based upon its original source. The waste code of the constituents of concern is EPA Hazardous Waste No. F006. The constituents of concern for F006 are cadmium, hexavalent chromium, nickel, and cyanide (complexed).

C. What Information and Analyses Did Tenneco Submit To Support Its Petition?

To support its petition, Tenneco submitted:

- (1) historical information on past waste generation and management practices;
- (2) results of the total constituent list for 40 CFR part 264, appendix IX volatiles, semivolatiles, and metals except pesticides, herbicides, and PCBs;
- (3) results of the constituent list for appendix IX on Toxicity Characteristic Leaching Procedure (TCLP) extract for volatiles, semivolatiles, and metals;
- (4) results from total oil and grease analyses and pH measurements.

D. What Were the Results of Tenneco's Analysis?

The EPA believes that the descriptions of the Tenneco analytical characterization provide a reasonable basis to grant Tenneco's petition for an exclusion of the stabilized sludge. The EPA believes the data submitted in support of the petition show the stabilized sludge is non-hazardous. Analytical data for the stabilized sludge samples were used in the DRAS. The data summaries for detected constituents are presented in Tables I. The EPA has reviewed the sampling procedures used by Tenneco and has determined they satisfy EPA criteria for collecting representative samples of the variations in constituent concentrations in the stabilized sludge. The data submitted in support of the petition show that constituents in Tenneco's waste are presently below health-based levels used in the delisting decision-making. The EPA believes that Tenneco has successfully demonstrated that the stabilized sludge is non-hazardous.

TABLE I.—MAXIMUM TOTAL AND TCLP CONSTITUENT CONCENTRATIONS STABILIZED SLUDGE ¹

| Constituent | Total constituent analyses (mg/kg) | TCLP Leachate concentration (mg/l) |
|-------------------------------|------------------------------------|------------------------------------|
| Antimony | 13.4 | 0.00335 |
| Arsenic | 21.5 | 0.0125 |
| Barium | 3.35 | 0.371 |
| Benzene | 0.008 | 0.050 |
| Cadmium | 0.423 | 0.050 |
| cis-1,3-Dichloropropene | 0.023 | 0.050 |
| Ethylbenzene | 0.04 | 0.0015 |
| Lead | 575 | 0.223 |
| Mercury | 0.00015 | 0.0006 |
| Methyl ethyl ketone | 0.076 | 0.00015 |
| Nickel | 7.32 | 0.07 |
| Tetrachloroethylene | 0.014 | 0.0015 |
| Toluene | 0.073 | 0.0015 |
| 1,1,1-Trichloroethane | 0.011 | 0.005 |
| Trichloroethylene | 0.029 | 0.0015 |

TABLE I.—MAXIMUM TOTAL AND TCLP CONSTITUENT CONCENTRATIONS STABILIZED SLUDGE ¹—Continued

| Constituent | Total constituent analyses (mg/kg) | TCLP Leachate concentration (mg/l) |
|-----------------------|------------------------------------|------------------------------------|
| Xylenes (total) | 0.22 | 0.0015 |

¹ These levels represent the highest concentration of each constituent found in any one sample. These levels do not necessarily represent the specific levels found in one sample.

E. How Did EPA Evaluate the Risk of Delisting the Waste?

For this delisting determination, EPA used such information gathered to identify plausible exposure routes (*i.e.*, ground water, surface water, air) for hazardous constituents present in the petitioned waste. The EPA determined that disposal in a Subtitle D landfill is the most reasonable, worst-case disposal scenario for Tenneco's petitioned waste. EPA applied the Delisting Risk Assessment Software (DRAS) described in 65 FR 58015 (September 27, 2000) and 65 FR 75637 (December 4, 2000), to predict the maximum allowable concentrations of hazardous constituents that may release from the petitioned waste after disposal and determined the potential impact of the disposal of Tenneco's petitioned waste on human health and the environment. A copy of this software can be found on the world wide web at www.epa.gov/earth1r6/6pd/rcra_c/pd-o/dras.htm. In assessing potential risks to ground water, EPA used the maximum estimated waste volumes and the maximum reported extract concentrations as inputs to the DRAS program to estimate the constituent concentrations in the ground water at a hypothetical receptor well down gradient from the disposal site. Using the risk level (carcinogenic risk of 10⁻⁵ and non-cancer hazard index of 0.1), the DRAS program can back-calculate the acceptable receptor well concentrations (referred to as compliance-point concentrations) using standard risk assessment algorithms and Agency health-based numbers. Using the maximum compliance-point concentrations and the EPA Composite Model for Leachate Migration with

Transformation Products (EPACMTP) fate and transport modeling factors, the DRAS further back-calculates the maximum permissible waste constituent concentrations not expected to exceed the compliance-point concentrations in groundwater.

The EPA believes that the EPACMTP fate and transport model represents a reasonable worst-case scenario for possible ground water contamination resulting from disposal of the petitioned waste in a landfill, and that a reasonable worst-case scenario is appropriate when evaluating whether a waste should be relieved of the protective management constraints of RCRA Subtitle C. The use of some reasonable worst-case scenarios resulted in conservative values for the compliance-point concentrations and ensures that the waste, once removed from hazardous waste regulation, will not pose a significant threat to human health or the environment.

The DRAS also uses the maximum estimated waste volumes and the maximum reported total concentrations to predict possible risks associated with releases of waste constituents through surface pathways (*e.g.*, volatilization or wind-blown particulate from the landfill). As in the above ground water analyses, the DRAS uses the risk level, the health-based data and standard risk assessment and exposure algorithms to predict maximum compliance-point concentrations of waste constituents at a hypothetical point of exposure. Using fate and transport equations, the DRAS uses the maximum compliance-point concentrations and back-calculates the maximum allowable waste constituent concentrations (or "delisting levels").

In most cases, because a delisted waste is no longer subject to hazardous

waste control, EPA is generally unable to predict, and does not presently control, how a petitioner will manage a waste after delisting. Therefore, EPA currently believes that it is inappropriate to consider extensive site-specific factors when applying the fate and transport model. The EPA does control the type of unit where the waste is disposed. The waste must be disposed in the type of unit the fate and transport model evaluates.

The EPA also considers the applicability of ground water monitoring data during the evaluation of delisting petitions. In this case, Tenneco has never directly disposed of this material in its solid waste landfill, so no representative data exists. Therefore, EPA has determined that it would be unnecessary to request ground water monitoring data.

The EPA believes that the descriptions of Tenneco's hazardous waste process and analytical characterization provide a reasonable basis to conclude that the likelihood of migration of hazardous constituents from the petitioned waste will be substantially reduced so that short-term and long-term threats to human health and the environment are minimized. Thus, EPA should grant Tenneco's petition for a one-time exclusion of the stabilized sludge.

The DRAS results which calculate the maximum allowable concentration of chemical constituents in the waste are presented in Table II. Based on the DRAS, the petitioned waste should be delisted because no constituents of concern exceed the maximum allowable concentrations.

TABLE II.—DRAS MAXIMUM ALLOWABLE CONCENTRATIONS OF CONSTITUENTS IN LEACHATE

| Constituent | DRAS maximum allowable Leachate concentration (mg/l) |
|----------------|--|
| Antimony | 15.1 |
| Arsenic | 0.274 |
| Barium | 100 |
| Benzene | 0.163 |

TABLE II.—DRAS MAXIMUM ALLOWABLE CONCENTRATIONS OF CONSTITUENTS IN LEACHATE—Continued

| Constituent | DRAS maximum allowable Leachate concentration (mg/l) |
|-------------------------------|--|
| Cadmium | 1.0 |
| Cis-1,3-Dichloropropene | 93800 |
| Ethylbenzene | 55.8 |
| Lead | 5.0 |
| Mercury | 0.2 |
| Methyl ethyl ketone | 200 |
| Nickel | 827 |
| Tetrachloroethylene | 0.7 |
| Toluene | 98.5 |
| 1,1,1-Trichloroethane | 23.2 |
| Trichloroethylene | 0.5 |
| Xylenes (total) | 1750 |

F. What Did EPA Conclude About Tenneco's Analysis?

The EPA concluded, after reviewing Tenneco's processes that no other hazardous constituents of concern, other than those for which tested, are likely to be present or formed as reaction products or by products in Tenneco's waste. In addition, on the basis of explanations and analytical data provided by Tenneco, pursuant to section 260.22, the EPA concludes that the petitioned waste does not exhibit any of the characteristics of ignitability, corrosivity, or reactivity. See §§ 261.21, 261.22, and 261.23, respectively.

G. What Other Factors Did EPA Consider?

During the evaluation of Tenneco's petition, EPA also considered the potential impact of the petitioned waste via non-ground water routes (i.e., air emission and surface runoff). With regard to airborne dispersion in particular, EPA believes that exposure to airborne contaminants from Tenneco's petitioned waste is unlikely. Therefore, no appreciable air releases are likely from Tenneco's waste under any likely disposal conditions. The EPA evaluated the potential hazards resulting from the unlikely scenario of airborne exposure to hazardous constituents released from Tenneco's waste in an open landfill. The results of this worst-case analysis indicated that there is no substantial present or potential hazard to human health and the environment from airborne exposure to constituents from Tenneco's stabilized sludge. A description of EPA's assessment of the potential impact of Tenneco's waste, regarding airborne dispersion of waste contaminants, is presented in the RCRA public docket for today's proposed rule, F-00-ARDEL-TENNECO.

The EPA also considered the potential impact of the petitioned waste via a surface water route. The EPA believes that containment structures at municipal solid waste landfills can effectively control surface water runoff, as the Subtitle D regulations (See 56 FR 50978, October 9, 1991) prohibit pollutant discharges into surface waters. Furthermore, the concentrations of any hazardous constituents dissolved in the runoff will tend to be lower than the levels in the TCLP leachate analyses reported in today's notice due to the aggressive acidic medium used for extraction in the TCLP. The EPA believes that, in general, leachate derived from the waste is unlikely to directly enter a surface water body without first traveling through the saturated subsurface where dilution and attenuation of hazardous constituents will also occur. Leachable concentrations provide a direct measure of solubility of a toxic constituent in water and are indicative of the fraction of the constituent that may be mobilized in surface water as well as ground water.

Based on the reasons discussed above, EPA believes that the contamination of surface water through runoff from the waste disposal area is very unlikely. Nevertheless, EPA evaluated the potential impacts on surface water if Tenneco's waste were released from a municipal solid waste landfill through runoff and erosion. See, the RCRA public docket for today's proposed rule for further information on the potential surface water impacts from runoff and erosion. The estimated levels of the hazardous constituents of concern in surface water would be well below health-based levels for human health, as well as below EPA Chronic Water Quality Criteria for aquatic organisms (USEPA, OWRS, 1987). The EPA,

therefore, concluded that Tenneco's stabilized sludge is not a present or potential substantial hazard to human health and the environment via the surface water exposure pathway.

H. What Is EPA's Evaluation of This Delisting Petition?

The descriptions of Tenneco's hazardous waste process and analytical characterization, with the proposed verification testing requirements (as discussed later in this document), provide a reasonable basis for EPA to grant the exclusion. The data submitted in support of the petition show that constituents in the waste are below the maximum allowable leachable concentrations (see Table II). We believe Tenneco's process will substantially reduce the likelihood of migration of hazardous constituents from the petitioned waste. Tenneco's process also minimizes short-term and long-term threats from the petitioned waste to human health and the environment.

Thus, EPA believes we should grant Tenneco an exclusion for the stabilized sludge. The EPA believes the data submitted in support of the petition show Tenneco's process can render the stabilized sludge nonhazardous.

We have reviewed the sampling procedures used by Tenneco and have determined they satisfy EPA criteria for collecting representative samples of variable constituent concentrations in the stabilized sludge. The data submitted in support of the petition show that constituents in Tenneco's waste are presently below the compliance point concentrations used in the delisting decision-making and would not pose a substantial hazard to the environment. The EPA believes that Tenneco has successfully demonstrated that the stabilized sludge is nonhazardous.

The EPA therefore, proposes to grant a one-time exclusion to the Tenneco Automotive, in Paragould, Arkansas, for the stabilized sludge described in its petition. The EPA's decision to exclude this waste is based on descriptions of the treatment activities associated with the petitioned waste and characterization of the stabilized sludge.

If we finalize the proposed rule, the Agency will no longer regulate the petitioned waste under parts 262 through 268 and the permitting standards of part 270.

IV. Next Steps

A. With What Conditions Must the Petitioner Comply?

The petitioner, Tenneco, must comply with the requirements in 40 CFR part 261, appendix IX, Table 1. The text below gives the rationale and details of those requirements.

If the proposed exclusion is made final, it will apply only to 1,800 cubic yards of stabilized sludge. This is a one-time disposal of the sludge. We would require Tenneco to file a new delisting petition if it generates more than 1,800 cubic yards of waste. Tenneco must manage waste volumes greater than 1,800 cubic yards of stabilized sludge as hazardous until we grant a new exclusion.

If this exclusion becomes final, Tenneco's management of the wastes covered by this petition would be relieved from Subtitle C jurisdiction. Tenneco would be required to either treat, store, or dispose of the waste in an on-site facility that has a state permit, license, or is registered to manage municipal or industrial solid waste. If not, Tenneco must ensure that it delivers the waste to an off-site storage, treatment, or disposal facility that has a state permit, license, or is registered to manage municipal or industrial solid waste.

(1) Reopener Language

The purpose of this condition is to require Tenneco to disclose new or different information related to a condition at the facility or disposal of the waste if it is pertinent to the delisting. This provision will allow EPA to reevaluate the exclusion if a source provides new or additional information to the Agency. The EPA will evaluate the information on which we based the decision to see if it is still correct, or if circumstances have changed so that the information is no longer correct or would cause EPA to deny the petition if presented. This provision expressly requires Tenneco to report differing site conditions or assumptions used in the

petition within 10 days of discovery. If EPA discovers such information itself or from a third party, it can act on it as appropriate. The language being proposed is similar to those provisions found in RCRA regulations governing no-migration petitions at section 268.6.

The EPA believes that we have the authority under RCRA and the Administrative Procedures Act, 5 U.S.C. 551 (1978) *et seq.*, to reopen a delisting decision. We may reopen a delisting decision when we receive new information that calls into question the assumptions underlying the delisting.

The Agency believes a clear statement of its authority in delistings is merited in light of Agency experience. See Reynolds Metals Company at 62 FR 37694 (July 14, 1997) and 62 FR 63458 (December 1, 1997) where the delisted waste leached at greater concentrations in the environment than the concentrations predicted when conducting the TCLP, thus leading the Agency to repeal the delisting. If an immediate threat to human health and the environment presents itself, EPA will continue to address these situations case by case. Where necessary, EPA will make a good cause finding to justify emergency rulemaking. See APA section 553(b).

(2) Notification Requirements

In order to adequately track wastes that have been delisted, EPA is requiring that Tenneco provide a one-time notification to any State regulatory agency through which or to which the delisted waste is being carried. This notification requirement must be met if the waste is transported off-site. Tenneco must provide this notification within 60 days of commencing this activity.

B. What Happens If Tenneco Violates the Terms and Conditions?

If Tenneco violates the terms and conditions established in the exclusion, the Agency will start procedures to withdraw the exclusion. Where there is an immediate threat to human health and the environment, the Agency will evaluate the need for enforcement activities on a case-by-case basis. The Agency expects Tenneco to conduct the appropriate waste analysis and comply with the criteria explained above in Condition 1 of the exclusion.

V. Public Comments

A. How Can I as an Interested Party Submit Comments?

The EPA is requesting public comments on this proposed decision. Please send three copies of your

comments. Send two copies to William Gallagher, Delisting Section, Multimedia Planning and Permitting Division (6PD-O), Environmental Protection Agency (EPA), 1445 Ross Avenue, Dallas, Texas 75202. Send a third copy to the Arkansas Department of Environmental Quality, P.O. Box 8913, Little Rock, Arkansas, 72209-8913. Identify your comments at the top with this regulatory docket number: "F-00-ARDEL-TENNECO."

You should submit requests for a hearing to Carl Edlund, Director, Multimedia Planning and Permitting Division (6PD), Environmental Protection Agency, 1445 Ross Avenue, Dallas, Texas 75202.

B. How May I Review the Docket or Obtain Copies of the Proposed Exclusion?

You may review the RCRA regulatory docket for this proposed rule at the Environmental Protection Agency Region 6, 1445 Ross Avenue, Dallas, Texas 75202. It is available for viewing in the EPA Freedom of Information Act Review Room from 9:00 a.m. to 4:00 p.m., Monday through Friday, excluding Federal holidays. Call (214) 665-6444 for appointments. The public may copy material from any regulatory docket at no cost for the first 100 pages, and at fifteen cents per page for additional copies.

VI. Regulatory Impact

Under Executive Order 12866, EPA must conduct an "assessment of the potential costs and benefits" for all "significant" regulatory actions.

The proposal to grant an exclusion is not significant, since its effect, if promulgated, would be to reduce the overall costs and economic impact of EPA's hazardous waste management regulations. This reduction would be achieved by excluding waste generated at a specific facility from EPA's lists of hazardous wastes, thus enabling a facility to manage its waste as nonhazardous.

Because there is no additional impact from today's proposed rule, this proposal would not be a significant regulation, and no cost/benefit assessment is required. The Office of Management and Budget (OMB) has also exempted this rule from the requirement for OMB review under section (6) of Executive Order 12866.

VII. Regulatory Flexibility Act

Under the Regulatory Flexibility Act, 5 U.S.C. 601-612, whenever an agency is required to publish a general notice of rulemaking for any proposed or final rule, it must prepare and make available

for public comment a regulatory flexibility analysis which describes the impact of the rule on small entities (that is, small businesses, small organizations, and small governmental jurisdictions). No regulatory flexibility analysis is required, however, if the Administrator or delegated representative certifies that the rule will not have any impact on a small entities.

This rule, if promulgated, will not have an adverse economic impact on small entities since its effect would be to reduce the overall costs of EPA's hazardous waste regulations and would be limited to one facility. Accordingly, I hereby certify that this proposed regulation, if promulgated, will not have a significant economic impact on a substantial number of small entities. This regulation, therefore, does not require a regulatory flexibility analysis.

VIII. Paperwork Reduction Act

Information collection and record-keeping requirements associated with this proposed rule have been approved by the Office of Management and Budget (OMB) under the provisions of the Paperwork Reduction Act of 1980 (Public Law 96-511, 44 U.S.C. 3501 *et seq.*) and have been assigned OMB Control Number 2050-0053.

IX. Unfunded Mandates Reform Act

Under section 202 of the Unfunded Mandates Reform Act of 1995 (UMRA), Public Law 104-4, which was signed into law on March 22, 1995, EPA generally must prepare a written statement for rules with Federal mandates that may result in estimated costs to State, local, and tribal governments in the aggregate, or to the private sector, of \$100 million or more in any one year.

When such a statement is required for EPA rules, under section 205 of the UMRA EPA must identify and consider alternatives, including the least costly, most cost-effective, or least burdensome alternative that achieves the objectives of the rule. The EPA must select that alternative, unless the Administrator explains in the final rule why it was not selected or it is inconsistent with law.

Before EPA establishes regulatory requirements that may significantly or uniquely affect small governments, including tribal governments, it must develop under section 203 of the UMRA a small government agency plan. The plan must provide for notifying potentially affected small governments, giving them meaningful and timely input in the development of EPA regulatory proposals with significant Federal intergovernmental mandates, and informing, educating, and advising

them on compliance with the regulatory requirements.

The UMRA generally defines a Federal mandate for regulatory purposes as one that imposes an enforceable duty upon state, local, or tribal governments or the private sector.

The EPA finds that today's delisting decision is deregulatory in nature and does not impose any enforceable duty on any State, local, or tribal governments or the private sector. In addition, the proposed delisting decision does not establish any regulatory requirements for small governments and so does not require a small government agency plan under UMRA section 203.

X. Executive Order 13045

The Executive Order 13045 is entitled "Protection of Children from Environmental Health Risks and Safety Risks" (62 FR 19885, April 23, 1997). This order applies to any rule that EPA determines (1) is economically significant as defined under Executive Order 12866, and (2) the environmental health or safety risk addressed by the rule has a disproportionate effect on children. If the regulatory action meets both criteria, the Agency must evaluate the environmental health or safety effects of the planned rule on children, and explain why the planned regulation is preferable to other potentially effective and reasonably feasible alternatives considered by the Agency. This proposed rule is not subject to Executive Order 13045 because this is not an economically significant regulatory action as defined by Executive Order 12866.

XI. Executive Order 13084

Because this action does not involve any requirements that affect Indian Tribes, the requirements of section 3(b) of Executive Order 13084 do not apply.

Under Executive Order 13084, EPA may not issue a regulation that is not required by statute, that significantly affects or uniquely affects that communities of Indian tribal governments, and that imposes substantial direct compliance costs on those communities, unless the Federal government provides the funds necessary to pay the direct compliance costs incurred by the tribal governments.

If the mandate is unfunded, EPA must provide to the Office of Management and Budget, in a separately identified section of the preamble to the rule, a description of the extent of EPA's prior consultation with representatives of affected tribal governments, a summary of the nature of their concerns, and a

statement supporting the need to issue the regulation.

In addition, Executive Order 13084 requires EPA to develop an effective process permitting elected and other representatives of Indian tribal governments "to meaningful and timely input" in the development of regulatory policies on matters that significantly or uniquely affect their communities of Indian tribal governments. This action does not involve or impose any requirements that affect Indian Tribes. Accordingly, the requirements of section 3(b) of Executive Order 13084 do not apply to this rule.

XII. National Technology Transfer and Advancement Act

Under section 12(d) if the National Technology Transfer and Advancement Act, the Agency is directed to use voluntary consensus standards in its regulatory activities unless to do so would be inconsistent with applicable law or otherwise impractical. Voluntary consensus standards are technical standards (*e.g.*, materials specifications, test methods, sampling procedures, business practices, etc.) developed or adopted by voluntary consensus standard bodies. Where available and potentially applicable voluntary consensus standards are not used by EPA, the Act requires that Agency to provide Congress, through the OMB, an explanation of the reasons for not using such standards.

This rule does not establish any new technical standards and thus, the Agency has no need to consider the use of voluntary consensus standards in developing this final rule.

XIII. Executive Order 13132 Federalism

Executive Order 13132, entitled "Federalism" (64 FR 43255, August 10, 1999) requires EPA to develop an accountable process to ensure "meaningful and timely input by State and local officials in the development of regulatory policies that have federalism implications." "Policies that have federalism implications" is defined in the Executive Order to include regulations that have "substantial direct effects on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government."

Under section 6 of Executive Order 13132, EPA may not issue a regulation that has federalism implications, that impose substantial direct compliance costs, and that is not required by statute, unless the Federal government provides the funds necessary to pay the direct compliance costs incurred by State and

