

NM1 - 8

**Minor
Modification
Request**

July 2015

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



July, 29 2015

Tony Schmitz
T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, New Mexico 87029

**RE: Review of Request for Landfarm Minor Modification
T-n-T Environmental, Inc.
Permit NM1-008 (Evaporation Ponds and Landfarm)
Location: SE/4 of Section 7 and SW/4 of Section 8 (evaporation ponds) and the SW/4 SE/4
and SE/4 NW/4 of Section 5 and NE/4 NW/4 of 8 (landfarm), Township 25 North, Range 3
West, NMPM, Rio Arriba County, New Mexico**

Dear Mr. Schmitz:

The Oil Conservation Division (OCD) has received and completed the review of T-n-T Environmental, Inc.'s (T-n-T) request, dated July 6, 2015 and received by OCD on July 9, 2015, to modify the treatment zone total petroleum hydrocarbon (TPH) concentration for an additional landfarm lift from the permit condition consideration of "total petroleum hydrocarbons (TPH) in the previous lift is less than 100 parts per million (ppm)" to the requirements of 19.15.36.15.D NMAC "does not exceed 2500 mg/kg." Pursuant to 19.15.36.8.E NMAC, OCD has determined the permit minor modification request to be administratively incomplete. In accordance with Subsection D of 19.15.36.18 NMAC, "An existing surface waste management facility applying for a minor modification shall file a form C-137 with the environmental bureau in the division's Santa Fe office describing the proposed change and identifying information that has changed from its last C-137 filing."

Section 8 of the Form C-137 (permit application) requires the applicant to "attach a plat and topographic map showing the surface waste management facility's location in relation to governmental surveys (quarter-quarter section, township and range); highways or roads giving access to the surface waste management facility site; watercourses; fresh water sources, including wells and springs; and inhabited buildings within one mile of the site's perimeter." T-n-T's response provided for Section 8 on the Form C-137 states "Attached." The only attachment that includes partially visible contour lines is a regional assessment of approximately 36 square acre area and is not site specific. The watercourses that intersect the landfarm are not illustrated on the topographic map. The area within the one mile assessment north and abutting Section 5 of Township 25 North, Range 3 West is not provided. T-n-T's response does not identify "information that has changed from its last C-137 filing." Please the complete one-mile assessment and provide a written response that identifies the "information that has changed from its last C-137 filing."

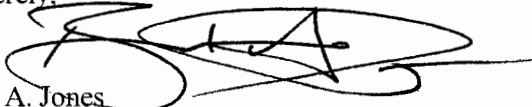
Section 9 of the permit application requires the applicant to “attach the names and addresses of the surface owners of the real property on which the surface waste management facility is sited and surface owners of the real property within one mile of the site’s perimeter.” T-n-T’s response states “Surface owner of real property within one mile of the facility is Schmitz Land LLC, 70 CR 405 Lindrith, N.M. 87029.” OCD was able to locate through public mapping websites that the Jicarilla Apache Indian Reservation abuts the northern boundary of Section 5, which a portion of the landfarm is located and is located within one mile of the site’s perimeter. Please update and provide a written response that identifies the “information that has changed from its last C-137 filing.”

Section 10 of the permit application requires the applicant to “attach a description of the surface waste management facility with a diagram indicating the location of fences and cattle guards, and detailed construction/installation diagrams of pits, liners, dikes, piping, sprayers, tanks, roads, fences, gates, berms, pipelines crossing the surface waste management facility, buildings and chemical storage areas.” T-n-T’s response provided for Section 10 on the Form C-137 states “Attached.” A written description of “information that has changed from its last C-137 filing” regarding the surface waste management facility was not provided, but hand-drawn facility maps were. Please provide a written response that identifies “information that has changed from its last C-137 filing.” If facility maps or diagrams are utilized, please compare current operations and designs that have changed since the last C-137 was filed for each operation and/or design. The landfarm was permitted separately from the ponds. Each should have a separate C-137 filing.

In the following Sections, 11 through 22, of the permit application T-n-T provides one of the following responses: “N/A”, “On file with OCD under Permits, Renewals, And Mods,” or “On file with OCD under General Correspondence 2001-1996.” In the Sections of the permit application in which T-n-T provides the response “N/A,” please provide a written response that identifies and/or clarifies if information “has changed from its last C-137 filing” or a clarifying statement why a response is not applicable. In the Sections of the permit application in which T-n-T provides the response “On file with OCD under Permits, Renewals, And Mods,” OCD is unsure what specific changes T-n-T is referring to out of the 59 pages of correspondence. Please provide a written response that specifically identifies the date, page, paragraph, and sentence of the correspondence under the specified OCD Online thumbnail that specifies and clarifies the change or changes “from its last C-137 filing.” Please provided the same type of written response to Sections of the permit application in which T-n-T provides the response “On file with OCD under General Correspondence 2001-1996.” OCD is unsure what specific changes T-n-T is referring to out of the 156 pages. Please identify.

Pursuant to 19.15.36.8.E NMAC, OCD has determined the permit minor modification request to be administratively incomplete. If T-n-T wishes to pursue the minor modification request, please resubmit and ensure all the required information of Subsection D of 19.15.36.18 NMAC is provided. If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,


Brad A. Jones
Environmental Engineer

BAJ/baj

Cc: OCD District III Office, Aztec



T-n-T Environmental

HCR 74 Box 113 - Lindrith, NM 87029
OCD Permit • NM 01 0008

RECEIVED

10/1/15 10:00 AM

July 6, 2015

Attn: Brad Jones

OCD
1220 South St. Francis Drive
Santa Fe, N M 87505

RE: Land farm minor modification

Dear Mr. Brad Jones

We are requesting a minor modification to change the treatment zone TPH concentration of each lift as determined by EPA SW-846 method 8015M or EPA method 418.1 or other EPA method approved by the division, from does not exceed 100 mg/kg (ppm), as in rule 711 permit to does not exceed 2500 mg/kg (ppm) as in part 36, that was offered to T-N-T Environmental Inc. in the June 30, 2011 letter attached under treatment zone monitoring on page 3 [the requirements of rule 36 that would require an Owner /Operator to submit a modification request].

Sincerely,

Craig Schmitz

Tony Schmitz

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For State Use Only:

Form C-137
Revised August 1, 2011

Submit 1 Copy to Santa Fe Office

APPLICATION FOR SURFACE WASTE MANAGEMENT FACILITY

A meeting should be scheduled with the Division's Santa Fe office Environmental Bureau prior to pursuing an application for a surface waste management facility in order to determine if the proposed location is capable of satisfying the siting requirements of Subsections A and B of 19.15.36.13 NMAC for consideration of an application submittal.

1. Application: ☐ New ☒ Modification ☐ Renewal
2. Type: ☒ Evaporation ☐ Injection ☐ Treating Plant ☐ Landfill ☒ Landfarm ☐ Other
3. Facility Status: ☒ Commercial ☐ Centralized
4. Operator: T-n-T Environmental Inc.

Address: HCR 74 Box 113, Lindrith N.M., 87029

Contact Person: Craig Schmitz Phone: 505-320-2130

5. Location:	<u>SW</u>	<u>/4</u>	<u>SE</u>	<u>/4</u>	Section	<u>5</u>	Township	<u>25N</u>	Range	<u>3W</u>
	<u>SE</u>		<u>SW</u>			<u>5</u>		<u>25N</u>		<u>3W</u>
	<u>NE</u>		<u>NW</u>			<u>8</u>		<u>25N</u>		<u>3W</u>
	<u>SE</u>					<u>7</u>		<u>25N</u>		<u>3W</u>
	<u>SW</u>					<u>8</u>		<u>25N</u>		<u>3W</u>

6. Is this an existing facility? ☒ Yes ☐ No If yes, provide permit number _NM-01-0008

7. Attach the names and addresses of the applicant and principal officers and owners of 25 percent or more of the applicant. Specify the office held by each officer and identify the individual(s) primary responsible for overseeing management of the facility.

T-N-T Environmental Inc. 70 cr405 Lindrith N.M 87029
Tony L Schmitz 69 cr405 Lindrith N.M 87029 Vice President Manager
Craig Schmitz 205 cr405 Lindrith N.M 87029 President Manager

8. Attach a plat and topographic map showing the surface waste management facility's location in relation to governmental surveys (quarter-quarter section, township and range); highways or roads giving access to the surface waste management facility site; watercourses; fresh water sources, including wells and springs; and inhabited buildings within one mile of the site's perimeter.

Attached.

9. Attach the names and addresses of the surface owners of the real property on which the surface waste management facility is sited and surface owners of the real property within one mile of the site's perimeter.

Surface Owner of real property in which the land farm is located, is T-N-T Environmental INC, 70 cr 405 Lindrith N.M 87029
Surface Owner of real property with in one mile of facility is Schmitz Land LLC. 70 cr 405 Lindrith N.M 87029

10. Attach a description of the surface waste management facility with a diagram indicating the location of fences and cattle guards, and detailed construction/installation diagrams of pits, liners, dikes, piping, sprayers, tanks, roads, fences, gates, berms, pipelines crossing the surface waste management facility, buildings and chemical storage areas.

See Attached.

11. Attach engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation and disposal method and detailed designs of surface impoundments.

N/A

12. Attach a plan for management of approved oil field wastes that complies with the applicable requirements contained in 19.15.36.13, 19.15.36.14, 19.15.36.15 and 19.15.36.17 NMAC.

On file with O.C.D under Permits, Renewals, And Mod's

13. Attach an inspection and maintenance plan that complies with the requirements contained in Subsection L of 19.15.36.13 NMAC.

On file with O.C.D under Permits, Renewals, and Mod's

14. Attach a hydrogen sulfide prevention and contingency plan that complies with those provisions of 19.15.3.118 NMAC that apply to surface waste management facilities.

On file with O.C.D under Permits, Renewals and Mod's

15. Attach a closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health, safety and the environment (the closure and post closure plan shall comply with the requirements contained in Subsection D of 19.15.36.18 NMAC).

On file with O.C.D under Permits, Renewals, and Mod's, and general correspondence – years 2001-1996

16. Attach a contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA 1978, Sections 12-12-1 through 12-12-30, as amended (the Emergency Management Act).

On file with O.C.D under Permits, Renewals, and Mod's

17. Attach a plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC

On file with O.C.D under Permits, Renewal, and Mod's

18. In the case of an application to permit a new or expanded landfill, attach a leachate management plan that describes the anticipated amount of leachate that will be generated and the leachate's handling, storage, treatment and disposal, including final post closure options.

N/A

19. In the case of an application to permit a new or expanded landfill, attach a gas safety management plan that complies with the requirements of Subsection O of 19.15.36.13 NMAC

N/A

20. Attach a best management practice plan to ensure protection of fresh water, public health, safety and the environment.

On file with O.C.D under Permits, Renewals and Mod's

21. Attach a demonstration of compliance with the siting requirements of Subsections A and B of 19.15.36.13 NMAC.

On file with O.C.D under Permits, Renewals, and Mod's

22. Attach geological/hydrological data including:

- (a) a map showing names and location of streams, springs or other watercourses, and water wells within one mile of the site;
- (b) laboratory analyses, performed by an independent commercial laboratory, for major cations and anions; benzene, toluene, ethyl benzene and xylenes (BTEX); RCRA metals; and total dissolved solids (TDS) of ground water samples of the shallowest fresh water aquifer beneath the proposed site;
- (c) depth to, formation name, type and thickness of the shallowest fresh water aquifer;
- (d) soil types beneath the proposed surface waste management facility, including a lithologic description of soil and rock members from ground surface down to the top of the shallowest fresh water aquifer;
- (e) geologic cross-sections;
- (f) potentiometric maps for the shallowest fresh water aquifer; and
- (g) porosity, permeability, conductivity, compaction ratios and swelling characteristics for the sediments on which the contaminated soils will be placed.

N/A

23. In the case of an existing surface waste management facility applying for a minor modification, describe the proposed change and identify information that has changed from the last C-137 filing.

See Attached

24. The division may require additional information to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health, safety or the environment and that the surface waste management facility will comply with division rules and orders

25. CERTIFICATION

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name: Craig Schmitz

Title: Pres.

Signature: 

Date: 7-6-15

E-mail Address: schmitzent@yahoo.com



New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

John H. Bemis
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division



June 30, 2011

Craig Schmitz
T-N-T Environmental Inc.
HCR 74 Box 113
Lindrith, New Mexico 87029

RE: Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms
T-N-T Environmental Inc.
Permit NM-1-008
Location: Section 8, Township 25 North, Range 3 West, NMPM
Rio Arriba County, New Mexico

Dear Owner/Operator:

The Oil Conservation Division (OCD) has received several landfarm monitoring reports which indicate Owner/Operators are not conducting the required sampling and assessment of the monitoring data required by existing permit conditions and the applicable requirements of the Surface Waste Management Facilities rule 19.15.36 NMAC (Rule 36). OCD wishes to remind such Owner/Operators that the requirements of Rule 36 have been in effect since February 14, 2007 and compliance is required. This letter is provided to help Owner/Operators understand the most common deficiencies regarding compliance in general operations, sampling of landfarms at existing surface waste management facilities, and the reporting of such results.

I. Transitional Provisions, Existing Surface Waste Management Facilities:

The transitional provision of Rule 36.20.A states that existing surface waste management facilities *shall comply with the operational, waste acceptance, and closure requirements* provided in the new rule, unless specifically addressed in the current permit, order, waiver, exception, or agreement granted in writing from OCD. Where the language in the existing permit is silent (i.e., where a specified requirement of Rule 36 is not addressed within the existing permit or in writing from OCD), the operational, waste acceptance, and closure provisions of Rule 36 apply and



supplement the conditions of the existing permit. Examples of how this transitional provision would be applied to Owner/Operators of existing landfarms are as follows:

A. Treatment Zone Monitoring (contaminated soils being remediated):

Most Owner/Operators of existing landfarms have common language or conditions specified within their permits. For this example, two of the following common permit conditions demonstrate how an Owner/Operator would request the necessary modification of their existing permit.

In an existing landfarm permit:

1. Soils will be spread on the surface in six-inch lifts or less.
2. Successive lifts of contaminated soils may not be spread until a laboratory measurement of:
 - a. total petroleum hydrocarbons (TPH) in the previous lift is less than 100 parts per million (ppm);
 - b. the sum of all aromatic hydrocarbons (BTEX) is less than 50 ppm; and
 - c. benzene is less than 10 ppm.
 - d. Comprehensive records of the laboratory analyses and the sampling locations must be maintained at the facility. Authorization from the OCD must be obtained prior to application of successive lifts and/or removal of the remediated soils.

In addition to the above permit conditions, an Owner/Operator also has to implement the following additional requirements of Rule 36:

- Chloride testing and limits (See 19.15.36.15.D NMAC)

If ground water is between 50' and 100' below the bottom of the oil field waste:	If ground water is more than 100' below the bottom of the oil field waste:
Chloride concentration cannot exceed 500 mg/kg	Chloride concentration cannot exceed 1000 mg/kg

- The following test methods would have to be utilized: TPH concentration of each lift determined by EPA SW-846 method 8015M or EPA method 418.1 or other EPA method approved by the division, and chloride concentration, determined by EPA method 300.1. (See 19.15.36.15.D NMAC)
- The sampling protocol and frequency: *"The operator shall collect and analyze at least one composite soil sample, consisting of four discrete samples, from the treatment zone at least semi-annually using the methods specified below for TPH and chlorides."* (See 19.15.36.15.D NMAC)
- The maximum thickness of remediated soils for closure: *"The maximum thickness of treated soils in a landfarm cell shall not exceed two feet or approximately 3000 cubic yards per acre. When that thickness is reached, the operator shall not place additional oil field waste in the landfarm cell until it has demonstrated by monitoring the treatment zone at least semi-*

annually that the contaminated soil has been treated to the standards specified in Subsection F of 19.15.36.15 NMAC or the contaminated soils have been removed to a division-approved surface waste management facility.” (See 19.15.36.15.D NMAC)

Therefore, in order to remain in compliance with existing permit conditions and Rule 36 the Owner/Operator shall ensure that:

1. Soils will be spread on the surface in **six-inch** lifts or less, and the addition of any remediated soils is not allowed until:
 - a. TPH concentration of each lift, as determined by EPA SW-846 method 8015M or EPA method 418.1 or other EPA method approved by the division, does not exceed **100 mg/kg (ppm)**,
 - b. the sum of all aromatic hydrocarbons (BTEX) is less than **50 ppm**,
 - c. benzene is less than **10 ppm**, and
 - d. the chloride concentration, as determined by EPA method 300.1, does not exceed **500 mg/kg or 1000 mg/kg**. (See depth to ground water restrictions above.)
2. The Owner/Operator shall collect and analyze at least **one** composite soil sample, consisting of **four** discrete samples, from the treatment zone at least **semi-annually** using the methods specified above for TPH and chlorides.
3. The maximum thickness of treated soils in a landfarm cell shall not exceed **two feet** or approximately **3000 cubic yards per acre**. When that thickness is reached, the Owner/Operator shall not place additional oil field waste in the landfarm cell until it has demonstrated by monitoring the treatment zone at least semi-annually that the contaminated soil has been treated to the standards specified in Rule 36.15.F or the contaminated soils have been removed to a division-approved surface waste management facility. Owner/Operators **must** obtain authorization from the OCD prior to application of successive lifts and/or removal of the remediated soils.

The requirements of Rule 36 that would require an Owner/Operator to submit a modification request regarding treatment zone monitoring to an existing landfarm are as follows:

- “The operator shall spread contaminated soils on the surface in **eight-inch or less lifts or approximately 1000 cubic yards per acre per eight-inch lift**.” (See 19.15.36.15.D NMAC)
- “**TPH concentration** of each lift, as determined by EPA SW-846 method 8015M or EPA method 418.1 or other EPA method approved by the division, **does not exceed 2500 mg/kg**.” (See 19.15.36.15.D NMAC)

B. Vadose Zone Monitoring (native soils beneath the contaminated soils being remediated):

In regards to vadose zone monitoring (commonly referred to by the misnomer of “Treatment Zone Monitoring” within existing landfarm permits), most Owner/Operators of existing surface waste management facilities that operate landfarms have common language or conditions specified within their permits. For this example two of the most common permit conditions regarding the vadose zone will be used to demonstrate how an Owner/Operator would comply with the

transitional provision of Rule 36.20.A, and what requirements of the rule would require an Owner/Operator to submit a request to modify an existing permit.

Two of the most common conditions in an existing landfarm permit are as follows:

1. A treatment zone not to exceed **three (3) feet** beneath the landfarm native ground surface must be monitored. A minimum of one random soil sample must be taken from each individual cell, with no cell being larger than five (5) acres, **six (6) months** after the first contaminated soils are received in the cell and then **quarterly** thereafter. The sample must be taken at two (2) to three (3) feet below the native ground surface.
2. The soil samples must be analyzed using EPA-approved methods for total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) **quarterly** and for major cations/anions and Water Quality Control Commission (WQCC) metals **annually**.

Based upon the transitional provision of Rule 36.20.A, an Owner/Operator would have to implement and integrate the following **additional requirements** while complying with the conditions specified above.

- The testing for chlorides and the comparison of the results to background: *"The operator shall collect and analyze a minimum... using the methods specified below for TPH, BTEX and chlorides and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred."* (See 19.15.36.15.E(2) NMAC).
 - i. *Note:* The "methods specified below for TPH, BTEX and chlorides" are those identified in Subsection F of 19.15.36.15 NMAC: "Total BTEX, as determined by EPA SW-846 method 8021B or 8260B..." (See 19.15.36.15.F(2) NMAC); "TPH, as determined by EPA method 418.1 or other EPA method approved by the division..." (See 19.15.36.15.F(3) NMAC); and "Chlorides, as determined by EPA method 300.1..." (See 19.15.36.15.F(3) NMAC).
- The five year monitoring program: *"The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC at least every five years and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred."* (See 19.15.36.15.E(3) NMAC).
 - ii. *Note:* The "methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC" are those identified in Subsection F of 19.15.36.15 NMAC: "The concentration of constituents listed in Subsections A and B of 20.6.2.3103 NMAC shall be determined by EPA SW-846 methods 6010B or 6020 or other methods approved by the division." (See 19.15.36.15.F(5) NMAC)

- The release response: *"If vadose zone sampling results show that the concentrations of TPH, BTEX or chlorides exceed the higher of the PQL or the background soil concentrations, then the operator shall notify the division's environmental bureau of the exceedance, and shall immediately collect and analyze a minimum of four randomly selected, independent samples for TPH, BTEX, chlorides and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC. The operator shall submit the results of the re-sampling event and a response action plan for the division's approval within 45 days of the initial notification. The response action plan shall address changes in the landfarm's operation to prevent further contamination and, if necessary, a plan for remediating existing contamination."* (See 19.15.36.15.E(5) NMAC)

The requirements of Rule 36 that would require an Owner/Operator to submit a modification request regarding vadose zone monitoring to an existing landfarm are as follows:

- *"The operator shall take the vadose zone samples from soils between three and four feet below the cell's original ground surface."* (See 19.15.36.15.E(1) NMAC)
- *"The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone at least semi-annually..."* (See 19.15.36.15.E(2) NMAC)

C. Transitional Provisions, New Landfarm Cells Constructed at an Existing Surface Waste Management Facility:

The transitional provision, Rule 36.20.B, states "Major modification of an existing surface waste management facility and new landfarm cells constructed at an existing surface waste management facility shall comply with the requirements provided in 19.15.36 NMAC." In this case, an Owner/Operator is required to consider the siting criteria and operational requirements regarding landfarms specified in Rule 36.13; the specific requirements applicable to landfarms specified in Rule 36.15; and the closure and post closure requirements regarding landfarms of Rule 36.18. The existing permit conditions would not be applicable to new landfarm cells at the existing facility, but would continue to apply to landfarm cells that were constructed prior to the February 14, 2007 effective date of Rule 36.

II. Compliance with Additional Operational Requirements:

Other regulatory requirements that Owner/Operators of existing surface waste management facilities that operate landfarms should be aware of and consider when operating its facility are as follows:

A. Reuse of remediated soils:

Most existing surface waste management facility permits regarding landfarming do not specify the constituents and concentrations that must be achieved for reuse of treated or remediated soils. Rule 36 has a provision that specifically addresses the conditions of approval for reuse of treated soils. Rule 36.15.G(1), disposition of treated soils, states *"If the operator achieves the closure performance standards specified in Subsection F of 19.15.36 NMAC, then the operator may either leave the treated soils in place, or, with prior division approval, dispose or reuse of the treated soils in an alternative manner."*

In accordance with the treatment zone closure performance standards of Rule 36.15.F, "the operator shall continue treatment until the contaminated soil has been remediated to the higher of the background concentrations or the following closure performance standards. The operator shall demonstrate compliance with the closure performance standards by collecting and analyzing a minimum of one composite soil sample, consisting of four discrete samples.

(1) Benzene, as determined by EPA SW-846 method 8021B or 8260B, shall not exceed **0.2 mg/kg**.

(2) Total BTEX, as determined by EPA SW-846 method 8021B or 8260B, shall not exceed **50 mg/kg**.

(3) The gasoline range organics (GRO) and diesel range organics (DRO) combined fractions, as determined by EPA SW-846 method 8015M, shall not exceed **500 mg/kg**. TPH, as determined by EPA method 418.1 or other EPA method approved by the division, shall not exceed **2500 mg/kg**.

(4) Chlorides, as determined by EPA method 300.1, shall not exceed **500 mg/kg** if the landfarm is located where ground water is less than **100 feet** but at least **50 feet** below the lowest elevation at which the operator will place oil field waste or **1000 mg/kg** if the landfarm is located where ground water is **100 feet** or more below the lowest elevation at which the operator will place oil field waste.

(5) The concentration of constituents listed in Subsections A and B of 20.6.2.3103 NMAC shall be determined by EPA SW-846 methods 6010B or 6020 or other methods approved by the division. If the concentration of those constituents exceed the PQL or background concentration, the operator shall either perform a site specific risk assessment using EPA approved methods and shall propose closure standards based upon individual site conditions that protect fresh water, public health, safety and the environment, which shall be subject to division approval or remove pursuant to Paragraph (2) of Subsection G of 19.15.36.15-NMAC."

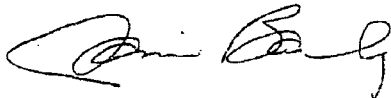
B. Waste Acceptance:

Based upon conversations with several landfarm Owner/Operators, it has come to OCD's attention that the proper waste acceptance protocol is not being implemented at all applicable facilities. In accordance with Rule 36.15.A, "Only soils and drill cuttings predominantly contaminated by petroleum hydrocarbons shall be placed in a landfarm. The division may approve placement of tank bottoms in a landfarm if the operator demonstrates that the tank bottoms do not contain economically recoverable petroleum hydrocarbons. Soils and drill cuttings placed in a landfarm shall be sufficiently free of liquid content to pass the paint filter test, and shall not have a chloride concentration exceeding **500 mg/kg** if the landfarm is located where ground water is less than **100 feet** but at least **50 feet** below the lowest elevation at which the operator will place oil field waste or exceeding **1000 mg/kg** if the landfarm is located where ground water is **100 feet** or more below the lowest elevation at which the operator will place oil field waste. The person tendering oil field waste for treatment at a landfarm shall certify, on form C-138, that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content, and that the samples have been found to conform to these requirements. The landfarm's operator shall not accept oil field waste for landfarm treatment unless accompanied by this certification."

All landfarm Owner/Operators should be implementing the above referenced requirements in order to ensure compliance to the transitional and waste acceptance provisions of Rule 36. Please note that pursuant to Rule 36.7.A(3), a landfarm *"means a discrete area of land designated and used for the remediation of petroleum hydrocarbon-contaminated soils and drill cuttings."* Landfarm Owner/Operators should ensure that the waste material accepted for remediation at their facilities contains petroleum hydrocarbons. Acceptance of any other waste material could be considered disposal.

Please note that if you are currently implementing the protocols identified above, OCD appreciates your efforts to continually remain in compliance with the regulations. As for Owner/Operators that are not currently in compliance, the goal of OCD is to get you back on track and in compliance. OCD anticipates observing the changes identified above in the submittal of the results of the next sampling event. If there are any questions regarding this matter, please do not hesitate to contact Mr. Brad A. Jones of my staff at (505) 476-3487 or brad.a.jones@state.nm.us.

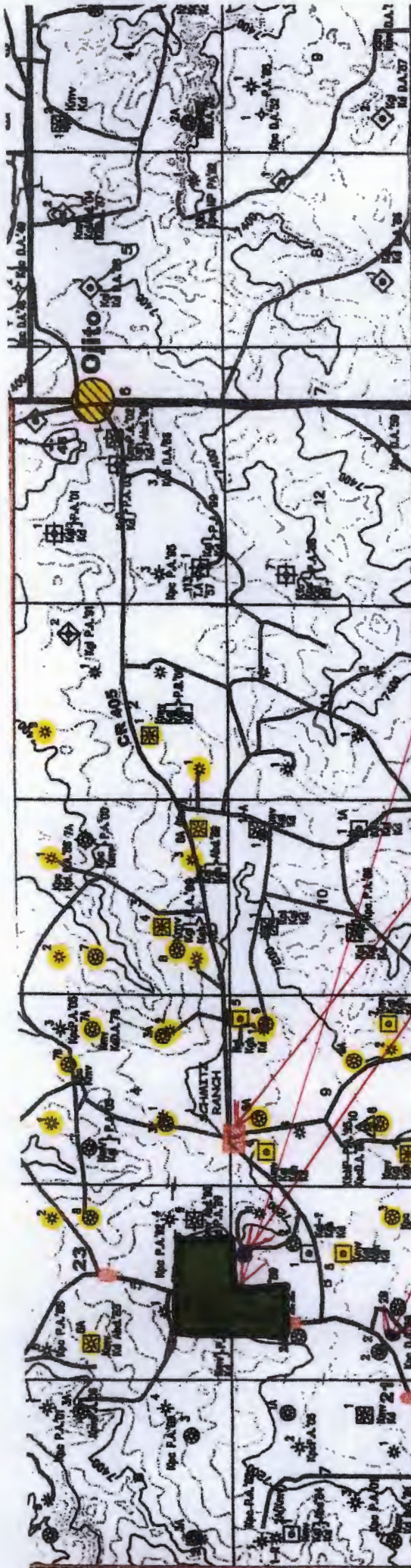
Sincerely,



Jami Bailey
Division Director
Oil Conservation Division

JB/baj

cc: OCD District III Office, Aztec



T-25-N R-3-W

SECTION 5 T-25-N R-3-W

SECTION 8 T-25-N R-3-W

SECTION 15 T-25-N R-3-W

SCHNITZ RANCH INHABITED BUILDINGS & WELL

FRESH WATER POND

WATER WELL & FRESH WATER POND

HWY 537

T-NT ENVIRONMENTAL INC

700510 RD

LINDSEY H AMB 87029

HAND FARM MAP

PERMIT #MM-01-0008

SEC. 5#8 T25N R3W

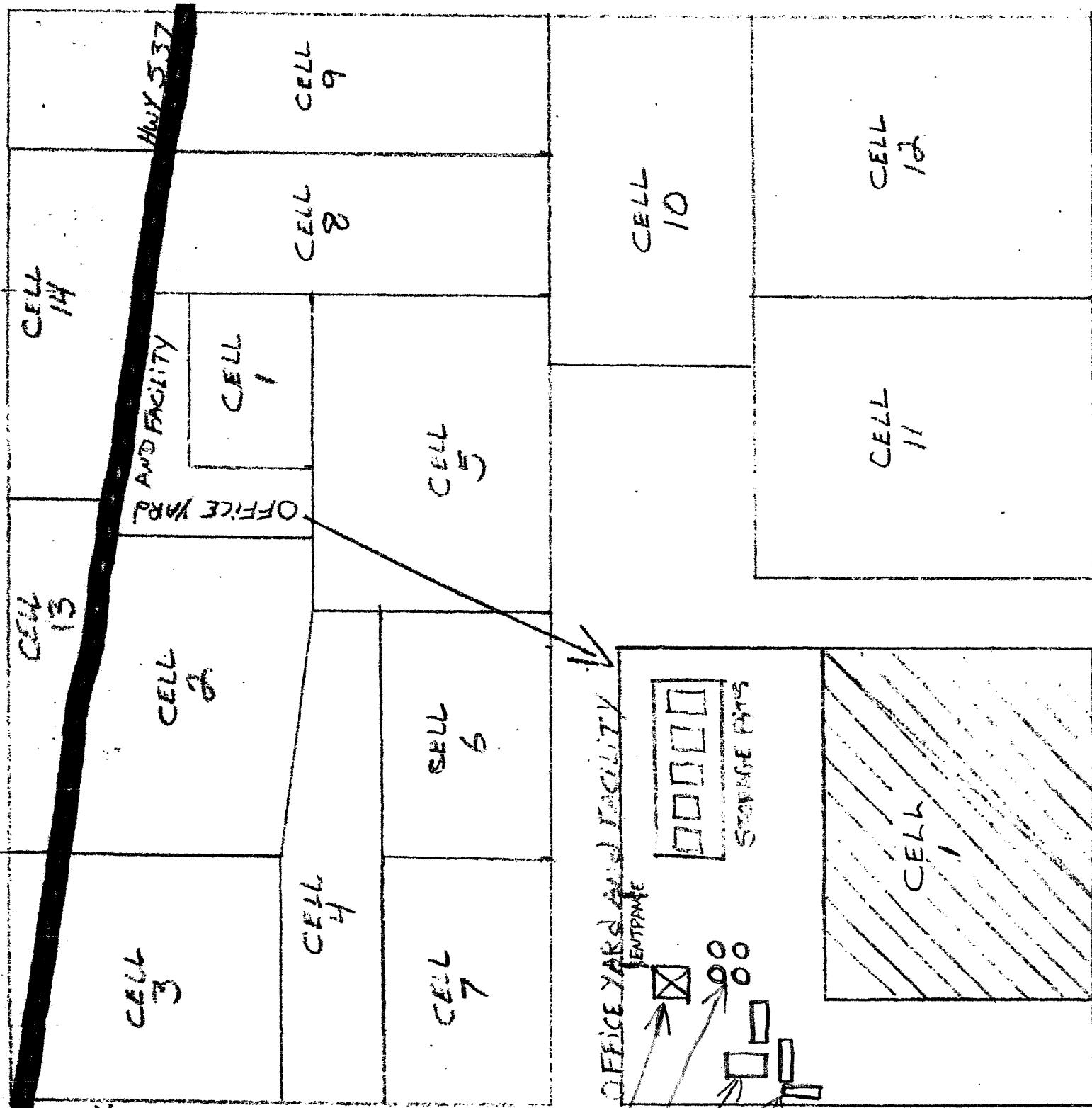
OFFICE

STORAGE TANKS

BETTLING TROUGH

DRAIN PITS ③

DATE 2015



- 1 WELL HEAD SWD
- 2 INJECTION PUMP SWD
- 3 SETTLING SYSTEM #2
- 4 SETTLING SYSTEM #1
- 5 RECEIVING STATION #2
- 6 RECEIVING STATION #1
- 7 PROCESSING BATTERY
- 8 STORAGE BATTERY
- 9 FILTER HOUSE SWD
- 10 CHARGE PUMPS
- 11 AIRIATERS
- 12 STORAGE BUILDING

