GW - 359

PERMITS, RENEWALS, & MODS Application

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-137
Revised June 10, 2003

Submit Original Plus 1
Copy to Santa Fe
1 Copy Appropriate
District Office

APPLICATION FOR WASTE MANAGEMENT FACILITY

(Refer to the OCD Guidelines for assistance in completing the application)

☐ Commercial ☐ Centralized

1. Type: ☐ Evaporation ☐ Injection ☐ Other
☐ Solids/Landfarm ☒ Treating Plant

2. Operator: Kyle J. Burns

Address: #5 CR 3172 Aztec N.M. 87410

Contact Person: Kyle J. Burns Phone: 505-334-0804/793-0271

3. Location: _____/4 _____/4 Section _____ Township _____ Range _____
Submit large scale topographic map showing exact location

4. Is this a modification of an existing facility? ☐ Yes ☑ No

5. Attach the name and address of the landowner of the facility site and landowners of record within one mile of the site.

6. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.

7. Attach designs prepared in accordance with Division guidelines for the construction/installation of the following: pits or ponds, leak-detection systems, aerations systems, enhanced evaporation (spray) systems, waste treating systems, security systems, and landfarm facilities.

8. Attach a contingency plan for reporting and clean-up for spills or releases.

9. Attach a routine inspection and maintenance plan to ensure permit compliance.

10. Attach a closure plan.

11. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact groundwater. Depth to and quality of ground water must be included.

12. Attach proof that the notice requirements of OCD Rule 711 have been met.

13. Attach a contingency plan in the event of a release of H_2S.

14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations and orders.

15. CERTIFICATION
I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Kyle J. Burns Title: Owner/operator

Signature: Kyle J. Burns Date: 11/7/05

E-mail Address: KBurns@MyExcel.com

Application for waste management facility

5. No site location as been determined at this time.

6. See drawing labeled # 6.

7. See drawing labeled # 7.

8. In the event of a spill or release plant operators will fallow the fallowing procedure. First step is to apply the correct personal safety equipment if necessary and take the necessary actions to minimize the spill or release, Second step is to contact the proper authorities or hazardous material clean-up crew and management, last step the management will contact the EPA and/or OCD and notify the environmental division. Clean-ups will enforce the (RCRA) rule.

#9. See logs labeled # 9. Operators will maintain a daily log of plant operations, this will include plant filtration equipment, any chemicals that maybe onsite and tank levels. Operators will routinely monitor the facility piping, tanks, dikes, and outfall perimeter. Also all monitors will be placed on a preventative maintenance program.

10. Closure of the facility will concur with rule 711 and the financial assurance aspect. All equipment will be sold back, fluids will be hauled of to the proper location and piping will be deconstructed and scraped. OCD and EPA will be notified thirty days or greater of the facility closure.

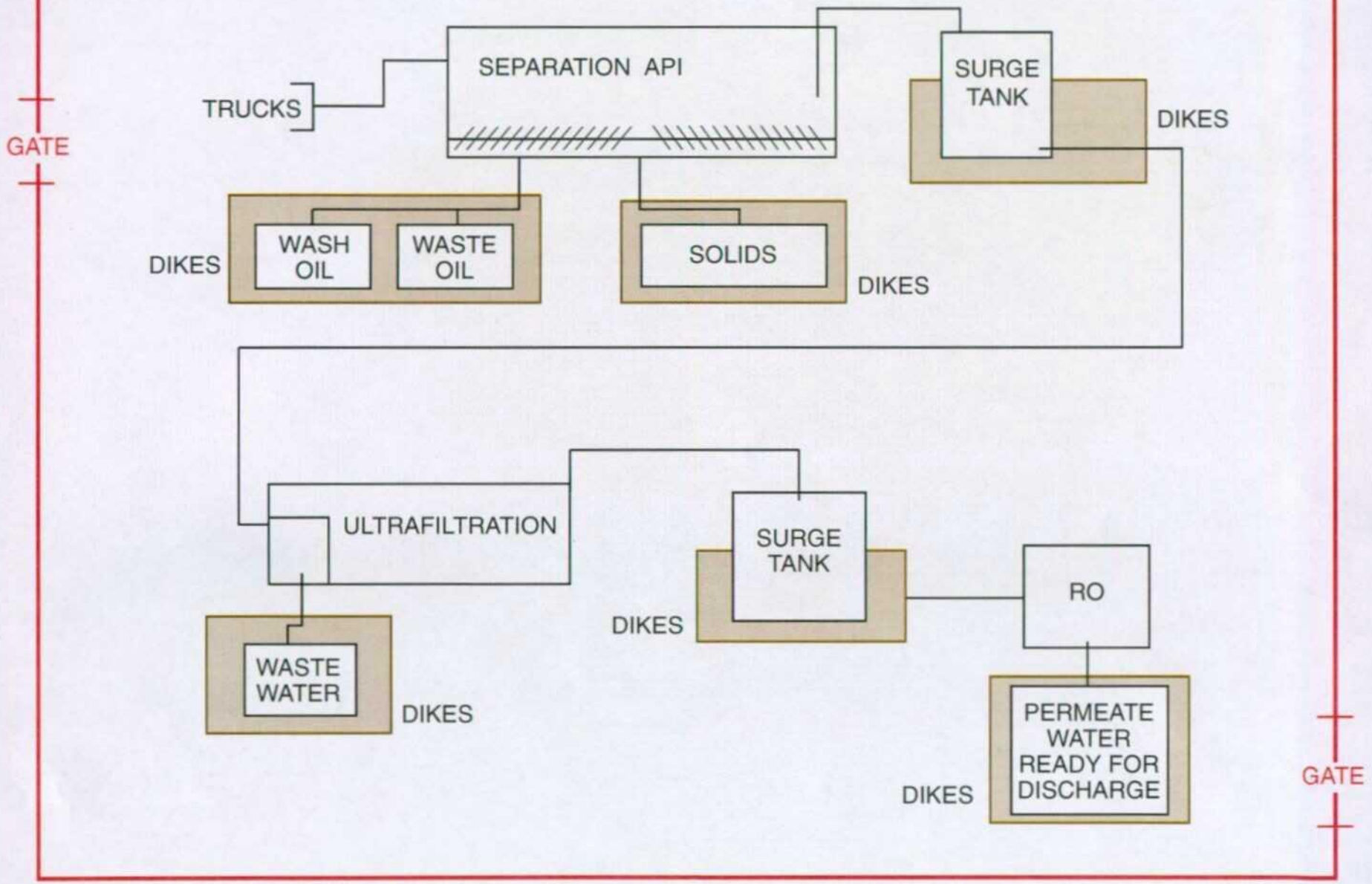
11. No site location has been determined at this time.

12. The notice requirements of rule 711 are not meet at this time. I have no facility and am currently waiting for OCD and EPA to comply with the idea of a discharge plant so I can move forward. After the OCD approves the idea I will then find a site location. At that time I will notify surface owners and the public. I will also assume financial assurance.

13. We do not for see an exposure radius of more than 36 feet. In compliance with Pasquill-Gifford derived equation. In the event of an H2S release that would be harmful to human health a procedure would be fallowed. First there will be H2S monitors, wind socks and proper SCBAs. If the monitors detected a harmful degree of H2S an alarm would sound, the operator on site would have a contingency plan. First the operator would apply the proper PPE and minimize the leak. Next the operator will notify management who would then contact the local or state authorities. Management would then contact OCD and comply with the necessary actions to contain the escape. Further steps will be implemented if necessary to prevent any harmful H2S releases.

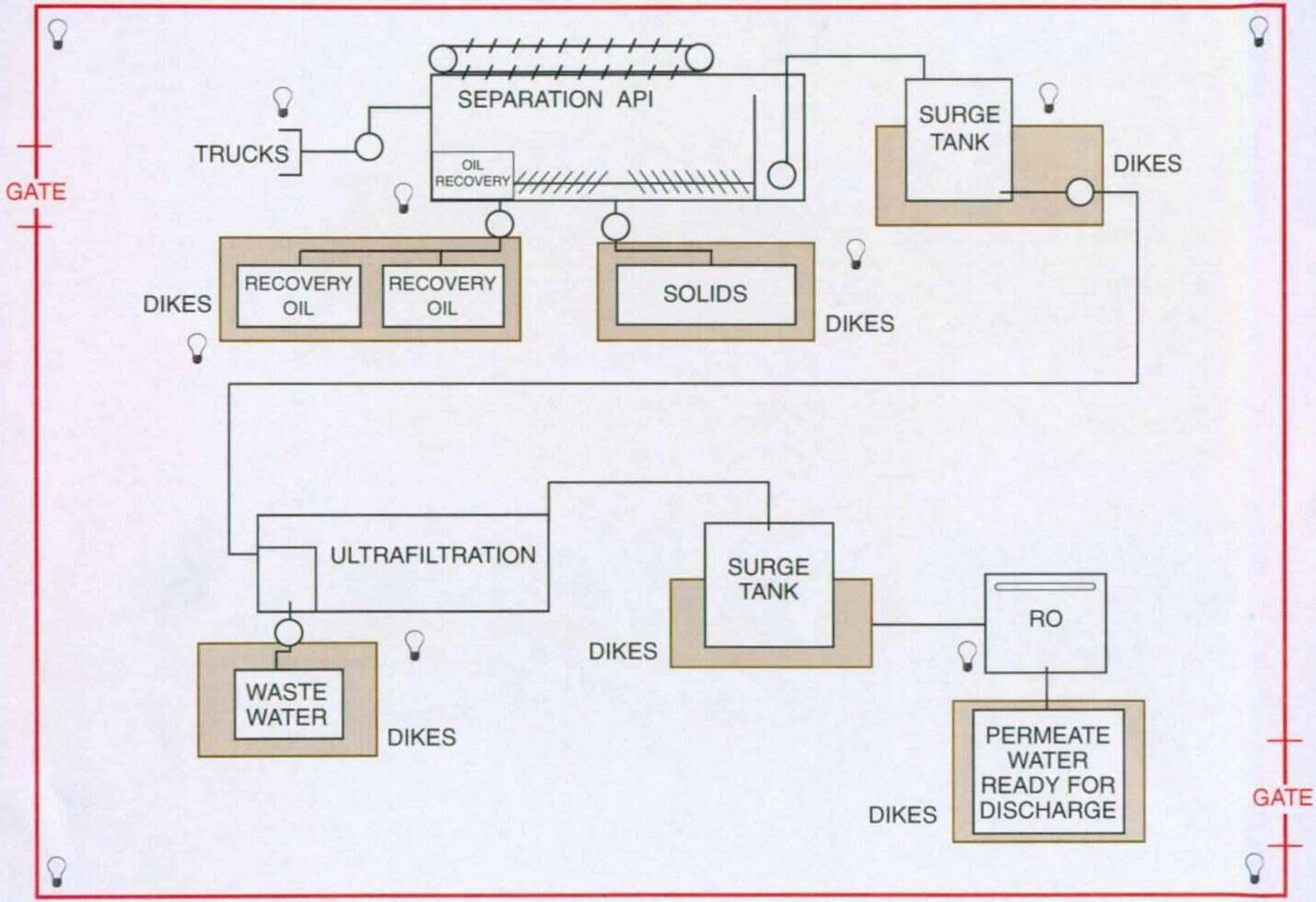
FENCED PERIMETER IN RED

Indicates Fencing, Dikes and Tanks



FENCED PERIMETER IN RED

Facility Will be Manned 24 Hours
Well Lit with Security Cameras



4	7-Jan-05

Raw Water							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
Turbidity	NTU	AIT-7037	[redacted]				
Conductivity	µmhos	6P					
Total Dissolved Solids	ppm	6P					
Clearwell Total Hardness	ppm	Clearwell					
Clearwell Calcium Hardness	ppm	Clearwell					
pH	pH	6P	6 - 8				
Flow Totalizer	gpm	DCS	[redacted]				
UF Bldg Raw H_2O Chlorine Residual	ppm	UF Raw H_2O	> 0				
CO_2	ppm	Raw Water	< 15				

ZeeWeed #1							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
Permeate Turbidity	NTU	AIT-3537-1	<0.2				
Feed Flow rate	gpm	FIT-7020-1	350				
Pre-backpulse Permeate Flow Rate	gpm	FIT-3520-1	350				
During Backpulse Flow Rate	gpm	FIT-3520-1	609				
After Backpulse Permeate Flow Rate	gpm	FIT-3520-1	350				
Before Backpulse TMP	psi	PDI-3423-1	<8				
During Backpulse TMP	psi	PDI-3423-1	<8				
After Backpulse TMP	psi	PDI-3423-1	<8				
Recovery Rate	%	FFI-3820-1	90				

ZeeWeed #2							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
Permeate Turbidity	NTU	AIT-3537-2	<0.2				
Feed Flow rate	gpm	FIT-7020-2	350				
Pre-backpulse Permeate Flow Rate	gpm	FIT-3520-2	350				
During Backpulse Flow Rate	gpm	FIT-3520-2	609				
After Backpulse Permeate Flow Rate	gpm	FIT-3520-2	350				
Before Backpulse TMP	psi	PDI-3423-2	<8				
During Backpulse TMP	psi	PDI-3423-2	<8				
After Backpulse TMP	psi	PDI-3423-2	<8				
Recovery Rate	%	FFI-3820-2	90				

Ultra Filtration Permeate (ZeeWeed #1 & #2)							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
Permeate Particle Count	micron	AIT-3536-1	5-100				
Permeate Particle Count	micron	AIT-3536-2	1-15				
Vacuum Pump Pressure	in/Hg	PI-9941	22				
Clearwell Chlorine Residual	ppm	Clearwell	> 0				

(Temporary) Chemical Usage Tracking -- Log in End of Shift Reports.					
Chemical	Tank Capacity	Consumed Yesterday	Consumed Today	Amount Remaining At End of Shift 0100	1300
[redacted]					

Date:	7-Jan-05

Cartridge Filter							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
Differential Pressure, A Filter	psi		1-48				
Differential Pressure, B Filter	psi		1-48				

1st Pass Reverse Osmosis							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
RO Feed Residual Chlorine	ppm	ANT-135	0.2 - 0.6				
RO Feed Temperature	°F	TE_212	45° - 85°				
RO Feed Conductivity	µmhos	ANE-8506					
RO Feed ORP	mV	ANE-8506	<450				
RO Feed pH	pH	AIT-4133	6.4				
Membrane Inlet Pressure	ps	PIT-4123	135-249				
1st Pass - 1st Stage DP, A Train	ps	PDT-331	20				
1st Pass - 1st Stage DP, B Train	ps	PDT-332	20				
1st Pass - 1st Stage DP, C Train	psi	PDT-333	20				
1st Pass - 2nd Stage DP, A Train	ps	PDT-334	20				
1st Pass - 2nd Stage DP, B Train	psi	PDT-335	20				
1st Pass - 2nd Stage DP, C Train	ps	PDT-336	20				
Concentrate Flow, A Train	gpm	FE-348	113				
Concentrate Flow, B Train	gpm	FE-248	113				
Concentrate Flow, C Train	gpm	FE-249	113				
Permeate Flow, A Train	gpm	FE-247	264				
Permeate Flow, B Train	gpm	FE-216	264				
Permeate Flow, C Train	gpm	FE-220	264				
Permeate Conductivity, A Train	µmhos	ANE-120	130-2213				
Permeate Conductivity, B Train	µmhos	ANE-126	130-2213				
Permeate Conductivity, C Train	µmhos	ANE-127	130-2213				
Permeate Recycle to Clearwell	gpm						

2nd Pass Reverse Osmosis							
Data	Unit	Data Point	Normal Value	Time 0100	Time 0700	Time 1300	Time 1900
RO Feed Pressure	psi	PIT-4323	35				
Membrane Inlet Pressure	psi	PIT-4223	135-248				
1st Stage Interstage Pressure	psi	PIT-4224	115-226				
2nd Stage Interstage Pressure	psi	PIT-4228	95-208				
Concentrate Pressure	psi	PIT-4225	75-188				
Concentrate Flow	gpm	FIT-4220	79				
Permeate Pressure	psi	PIT-4227	8-13				
Permeate Flow	gpm	FIT-4221	320				
Permeate Conductivity	µmhos	AIT-4231	3-40				