RS-840-01A

IL-0351-13

EPA Region 5 Records Ctr.
379195

N-Ron Corp.
SI interview Notes
2/11/86 - 1330
Site Rep. Kenneth E. Jury. @ site since 1965

Operations began 1965
owned by N-Ren since 1975

1965-1970 Northern IL Gas operated

Operations:
- Natural Gas is raw Material
  crack is air to generate NH_3
- primary bi-prod = CO_2
  CO_2 recovered and sold as prod. in Liq. Form.
- Some NH_3 & CO_2 (gas)
  combine → Urea $(NH_2)_2CO$
  Fertilizer
  Most of this (liq.) used as raw mat.
  ⇒ NH_3 burned → HNO_3 → Burned of more NH_3 Ammonium Nitrate

Ammonium Nitrate combined w/ Urea ⇒ UAN
urea ammonium nitrate
Fertilizer

Only waste are Gasseous and aqueous

Air Permits

NPDES Permit

(Discharge to Pond & from pond via Pipeline to Miss. River.

- Lime PPT in in bottom of Lagoon can not be remove

- Treat Cooling Water w/ Un-lined Tri(2) lagoons 1 filled, other act. in to Remove Lead or other water impurities

NPDES

~~Air Permit~~ IL0003950 — June 1, 1985, Feb 1, 1989

Air Permits: NH_3 + CO_2 Recovery — 085809AAA 2-7-85 I

12-17-86 E

Ammonia Nitrate Plant — " 1-24-84 I

1-19-89 E

HNO_3 process — " 10-15-85 I

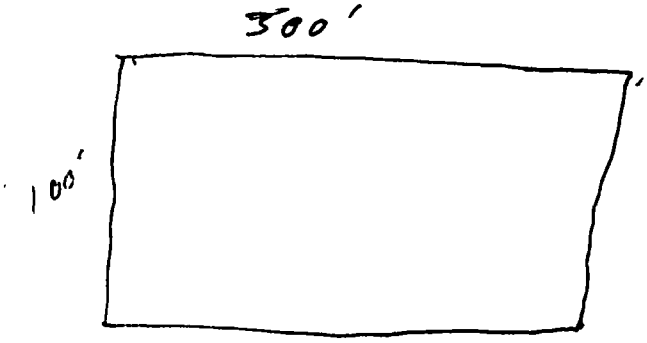
Urea Mfg. & Boiler — " 11-8-87 E

81

3-20-86

Landfill:

- Used to dispose of Construction debris.
- Filled Natural Depressions to grade



- Wells ~~H~~ - site used for water supply
- located @ bottom of Bluff on floodplain
- Depth ~ 90'
  Water used for cooling, drinking, etc.

- Eqp. Maintenance
  - No longer use TCE etc.
  - Did use to past.
  - Currently use Safety Clean

Past Incidents:
~~Remedial Response~~:
None

- Employees 115
  - accidents have occurred in the past on contact of Hg Material produced. (& Contact of HNO_3)

- Damage to Flora & Fauna
  - Fish Kill: Due to discharge of acid / NH_3 to unnamed tributary
  - Fish died due to NH_3 conc.
  - Current discharge ~~to to the~~ Miss. River.

- Site has its own Septic syst.

Lagoons for Water Discharge
2 lagoons - 1 has filled up
1 currently active.

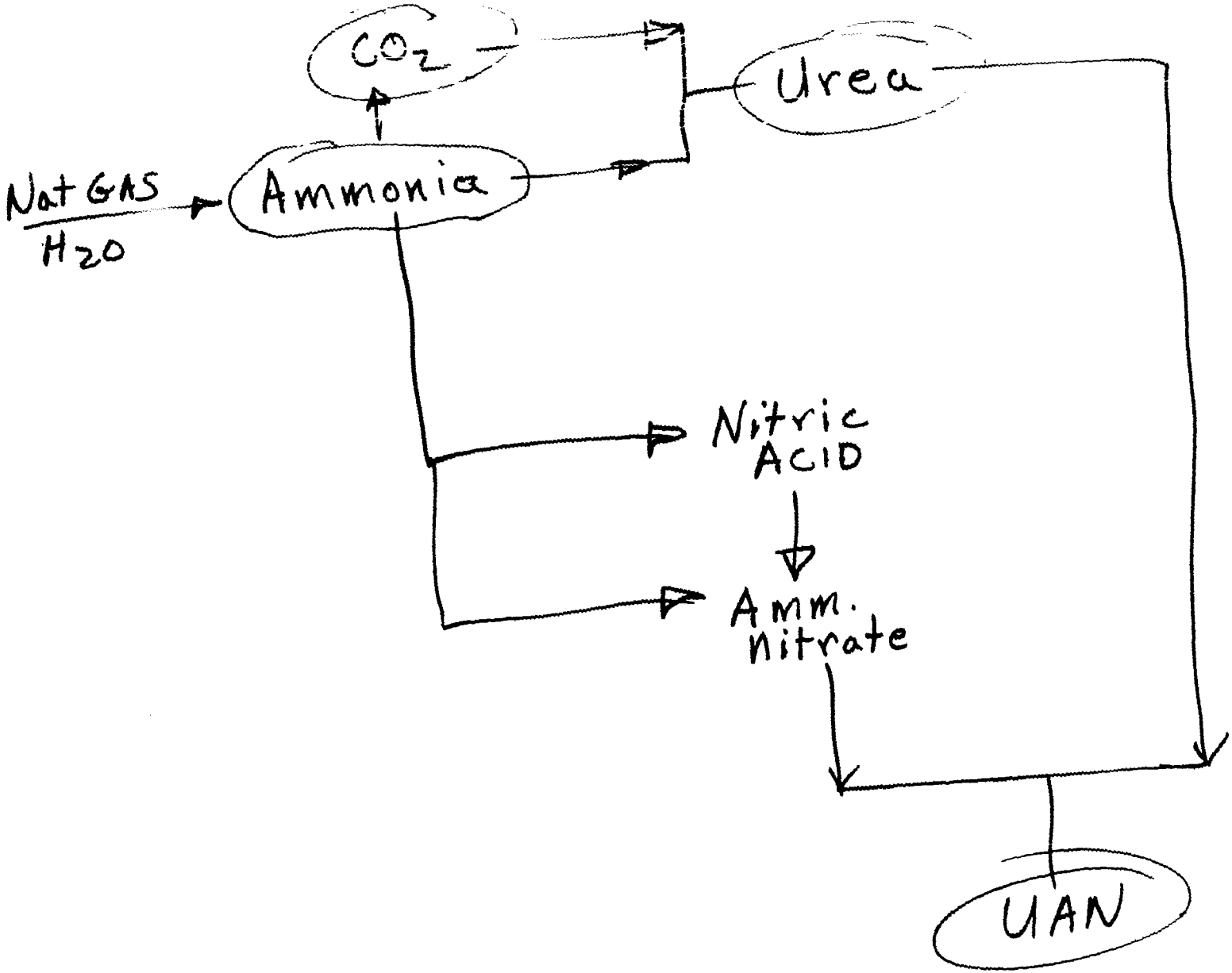
Security - Not Fenced
- Only one entrance road that is fenced.
- Site operates 24 hrs.

Transport
— Common Carrier, contracted by Customer

Photo Log

1. NNW Old Land Fill
2. N
3. N Ravine at foot of LF
4. ESE Plant Effluent crossing Pond #1 (Filled) ESE
5. NNE Effluent leaving Plant.
6. Pond #2 SSE
7. NNW View of Plant
8. N
9. NNE from South in area of Effluent Ponds.

Photos Taken from
2:20 -> 3:20 pm
w/ Canon AE1 35 mm Camera
w/ 50 mm lens.


CO_2
Urea
Nat GAS
H_2O
Ammonia
Nitric Acid
Amm. nitrate
UAN