

Tabel 4.8. Kondisi kualitas udara ambien tahunan setelah power plant beroperasi.

Predicted Annual Average on Ambient Air Quality after Power Plant Opeartion

				KONSENTRASI ($\mu\text{g}/\text{m}^3$)									
PARAMETER	JARAK (m)	ARAH	KAMPUNG	POWER PLANT			KONDISI (RONA) AWAL				KONDISI (RONA) AKHIR		
				SIANG	MALAM	RATA-RATA	Pengukuran 2 jam	Penyesuaian 1 Tahun	Pengukuran 2 jam	Penyesuaian 1 Tahun	SIANG	MALAM	RATA-RATA
SO ₂	2250	Utara	Cilegong Barat	46.23	0.01	23.12	0.00	0.00	0.43	0.09	46.23	0.10	23.17
	2250	Selatan	Mekarsari	46.23	0.01	23.12	0.00	0.00	1.11	0.24	46.23	0.25	23.24
	2250	Timur	Kembang Kng	46.23	0.01	23.12	0.90	0.19	1.28	0.27	46.42	0.28	23.35
	2250	Barat	Cisampih Satu	46.23	0.01	23.12	1.90	0.40	0.39	0.08	46.63	0.09	23.36
NO _x	2250	Utara	Cilegong Barat	59.47	0.02	29.75	0.50	0.11	2.08	0.44	59.58	0.46	30.02
	2250	Selatan	Mekarsari	59.47	0.02	29.75	0.90	0.19	3.40	0.72	59.66	0.74	30.20
	2250	Timur	Kembang Kng	59.47	0.02	29.75	1.34	0.28	2.19	0.47	59.75	0.49	30.12
	2250	Barat	Cisampih Satu	59.47	0.02	29.75	0.42	0.09	1.30	0.28	59.56	0.30	29.93
DEBU	1650	Utara	Cilegong Barat	5.54	31.78	18.66	78.40	16.66	120.18	25.54	22.20	57.32	39.76
	1650	Selatan	Mekarsari	5.54	31.78	18.66	92.11	19.58	78.40	16.66	25.12	48.44	36.78
	1650	Timur	Kembang Kng	5.54	31.78	18.66	90.26	19.18	117.04	24.88	24.72	56.66	40.69
	1650	Barat	Cisampih Satu	5.54	31.78	18.66	124.11	26.38	145.60	30.95	31.92	62.73	47.32
CO	2250	Utara	Cilegong Barat	59.63	0.02	29.83	0.00	0.00	0.00	0.00	59.63	0.02	29.83
	2250	Selatan	Mekarsari	59.63	0.02	29.83	0.00	0.00	0.00	0.00	59.63	0.02	29.83
	2250	Timur	Kembang Kng	59.63	0.02	29.83	0.00	0.00	0.00	0.00	59.63	0.02	29.83
	2250	Barat	Cisampih Satu	59.63	0.02	29.83	0.00	0.00	0.00	0.00	59.63	0.02	29.83

Tabel 4.13. Kondisi kualitas udara ambien harian berdasarkan pemodelan bulanan setelah power plant beroperasi.

Predicted Daily Average on Ambient Air Quality after Power Plant Opeartion using Monthly Modelling

				KONSENTRASI ($\mu\text{g}/\text{m}^3$)									
PARAMETER	JARAK (m)	ARAH	KAMPUNG	POWER PLANT			KONDISI (RONA) AWAL				KONDISI (RONA) AKHIR		
				SIANG	MALAM	RATA-RATA	SIANG		MALAM		SIANG	MALAM	RATA-RATA
							Pengukuran 2 jam	Penyesuaian 12 jam	Pengukuran 2 jam	Penyesuaian 12 jam			
SO ₂ (April)	2250	Utara	Cilegong Barat	49.10	0.07	24.59	0.00	0.00	0.43	0.31	49.10	0.38	24.74
	2250	Selatan	Mekarsari	49.10	0.07	24.59	0.00	0.00	1.11	0.80	49.10	0.87	24.98
	2250	Timur	Kembang Kng	49.10	0.07	24.59	0.90	0.65	1.28	0.92	49.75	0.99	25.37
	2250	Barat	Cisampih Satu	49.10	0.07	24.59	1.90	1.36	0.39	0.28	50.46	0.35	25.41
NO _x (April)	2250	Utara	Cilegong Barat	64.33	0.06	32.20	0.50	0.36	2.08	1.49	64.69	1.55	33.12
	2250	Selatan	Mekarsari	64.33	0.06	32.20	0.90	0.65	3.40	2.44	64.98	2.50	33.74
	2250	Timur	Kembang Kng	64.33	0.06	32.20	1.34	0.96	2.19	1.57	65.29	1.63	33.46
	2250	Barat	Cisampih Satu	64.33	0.06	32.20	0.42	0.30	1.30	0.93	64.63	0.99	32.81
DEBU (Desember)	2750	Utara	Cilegong Barat	2.50	36.84	19.67	78.40	56.28	120.18	86.27	58.78	123.11	90.95
	2750	Selatan	Mekarsari	2.50	36.84	19.67	92.11	66.12	78.40	56.28	68.62	93.12	80.87
	2750	Timur	Kembang Kng	2.50	36.84	19.67	90.26	64.79	117.04	84.02	67.29	120.86	94.08
	2750	Barat	Cisampih Satu	2.50	36.84	19.67	124.11	89.09	145.60	104.52	91.59	141.36	116.48
CO (April)	2250	Utara	Cilegong Barat	64.51	0.06	32.28	0.00	0.00	0.00	0.00	64.51	0.06	32.29
	2250	Selatan	Mekarsari	64.51	0.06	32.28	0.00	0.00	0.00	0.00	64.51	0.06	32.29
	2250	Timur	Kembang Kng	64.51	0.06	32.28	0.00	0.00	0.00	0.00	64.51	0.06	32.29
	2250	Barat	Cisampih Satu	64.51	0.06	32.28	0.00	0.00	0.00	0.00	64.51	0.06	32.29



Keterangan

- Bangunan
- Kantor Pemerintahan
- Masjid
- Kantor Pos
- Puskesmas
- Jembatan
- Sawah Tadah Hujan
- Pemukiman
- Tegalan/Ladang
- Hutan
- Jalan Arteri
- Jalan Kolektor
- Kawat Tegangan Tinggi
- Sungai
- Rencana Power Plant 2 x 30 MW
- Garis Kontur menunjuka konsentrasi dengan satuan μm^2

Titik Pemantauan :

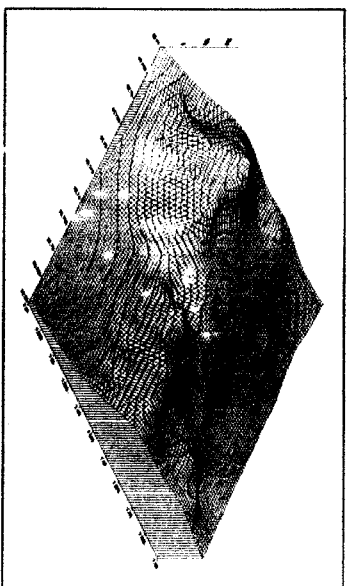
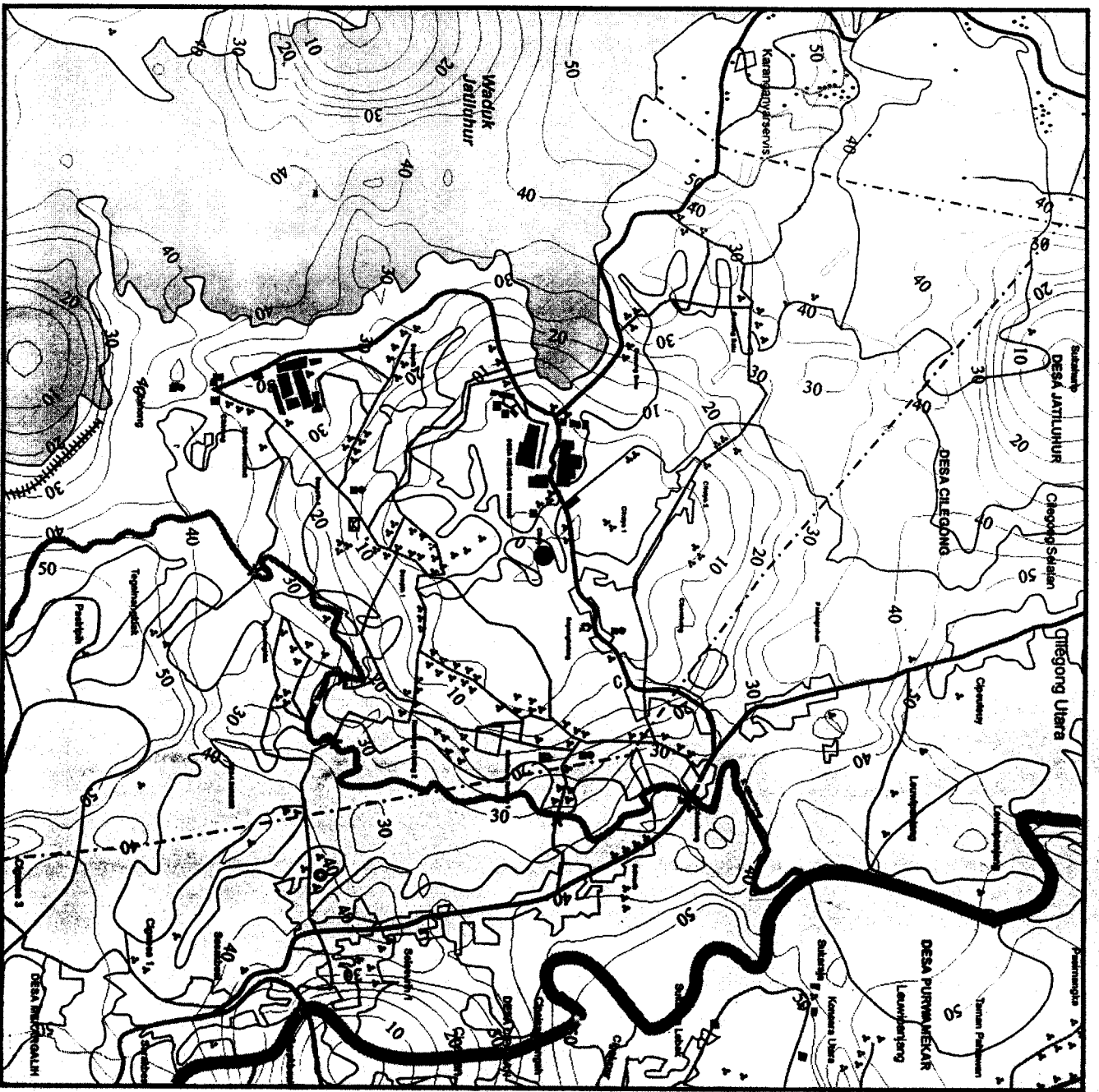
- Buih Meret
1. Kp. Cipeuteuy
2. Kp. Sampih 1
Konsentrasi rata-rata harian (24 jam) :
Debu = 116.48, So_2 = 25.41, Nox = 32.81, CO = 32.29 $\mu\text{g}/\text{m}^3$
- Buih Juni
1. Kp. Cikuya
2. Kp. Kembang Kuning
Konsentrasi rata-rata harian (24 jam) :
Debu = 80.87, So_2 = 24.89, Nox = 33.74, CO = 32.29 $\mu\text{g}/\text{m}^3$
- Buih September
1. Kp. Cikuya 2
3. Kp. Kembang Kuning 2
Konsentrasi rata-rata harian (24 jam) :
Debu = 94.08, So_2 = 25.37, Nox = 33.48, CO = 32.29 $\mu\text{g}/\text{m}^3$
- Buih Desember
1. Desa Cilugong
2. Kp. Tegainangrak
Konsentrasi rata-rata harian (24 jam) :
Debu = 90.95, So_2 = 24.74, Nox = 33.12, CO = 32.29 $\mu\text{g}/\text{m}^3$



PETA LOKASI PEMANTAUAN
PROYEK POWER PLANT 2 X 30 MW

PT. INDORAMA SYNTHETICS Tbk.

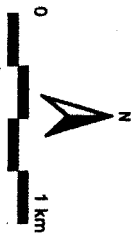
Modelling by :
 PT. WIDYA CIPTA BUANA
Engineering & Environmental Consultants



INDERS : PENAMPANG 3 (TIGA) DIMENSI LAYAN DESA KEMBAR KUNING

Legends :

- | | | | |
|--|---------------------|--|----------------------------------|
| | Building | | Dry Field |
| | Government Office | | Forest |
| | Mosque | | Artery Road |
| | Post Office | | Collector Road |
| | Clinic | | High Voltage Transmission |
| | Bridge | | River |
| | Rain Fed Rice Field | | Power Plant Location? 30 MW |
| | Residential Area | | Concentration Contour Line 10/1m |



IR
PT. INDORAMA SYNTHETICS Tbk.

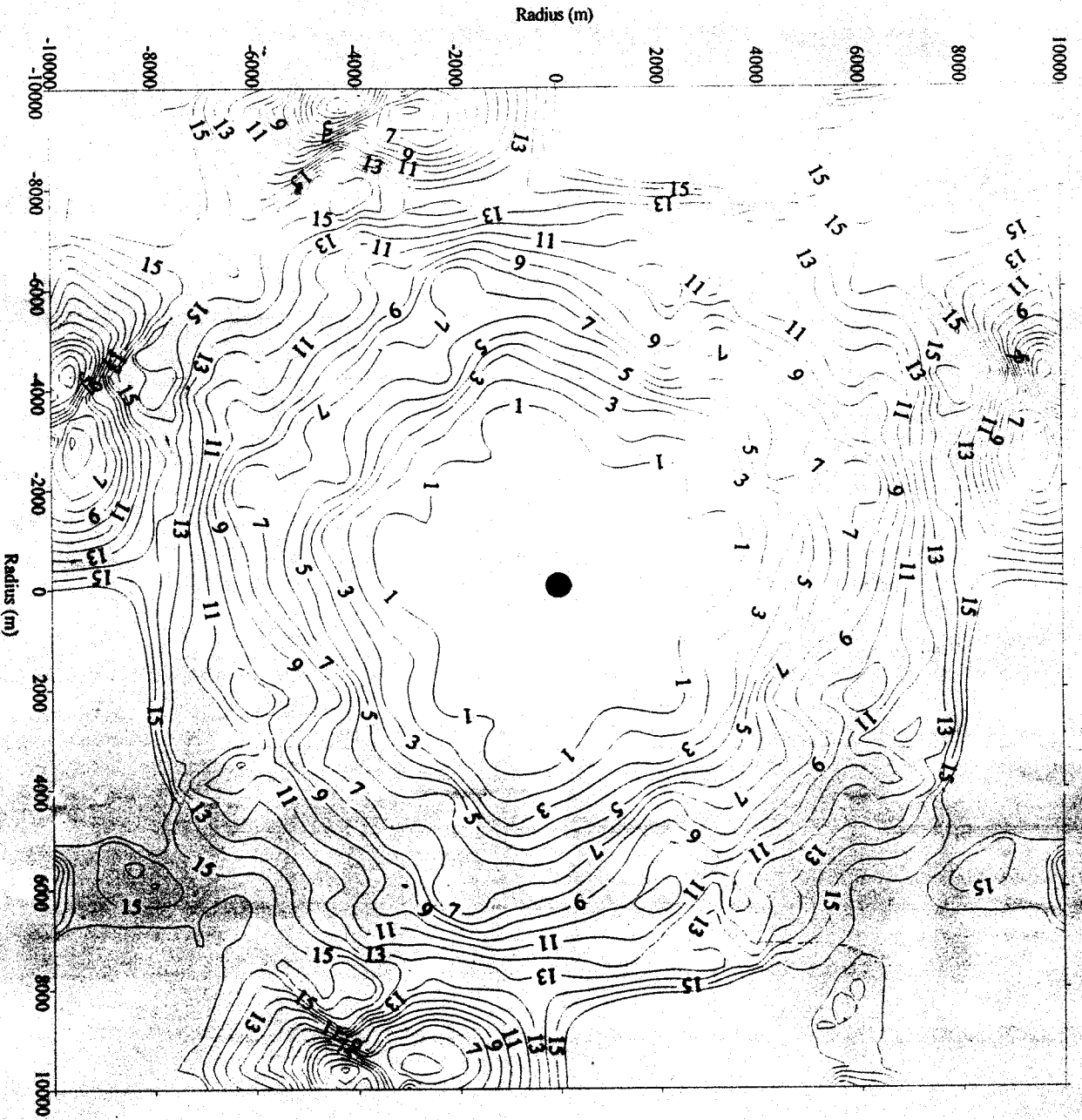
Figure 11.1.13.

SO ISOPLET ON DAY
FOR ANNUAL AVERAGE

Modeling by :



PT. WIDYA CIPTA BUANA
Engineering & Transportation Consultants



Legends :

- Power Plant Location 2 * 30 MW
- ~ Concentration Contour Line $\mu\text{g}/\text{m}^3$



PT. INDORAMA SYNTHETICS Tbk.

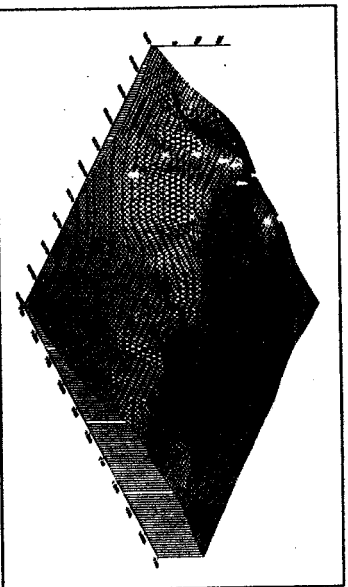
Figure 11.11.13

**SO ISOPLET ON NIGHT
FOR ANNUAL AVERAGE**

Modeled by



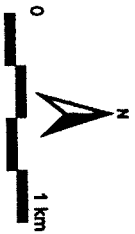
PT. WIDYA CIPTA BUANA
Engineering & Environmental Consultant



INDERS : PEMAMPANG 3 (TIGA) DIMENSI LAYAN DESA KEMANG KUNING

Legends :

- | | | | |
|--|---------------------|--|----------------------------------|
| | Building | | Dry Field |
| | Government Office | | Forest |
| | Mosque | | Artery Road |
| | Post Office | | Collector Road |
| | Clinic | | High Voltage Transmission |
| | Bridges | | River |
| | Rain Fed Rice Field | | Power Plant Location? - 30 MW |
| | Residential Area | | Concentration Contour Line µg/m³ |

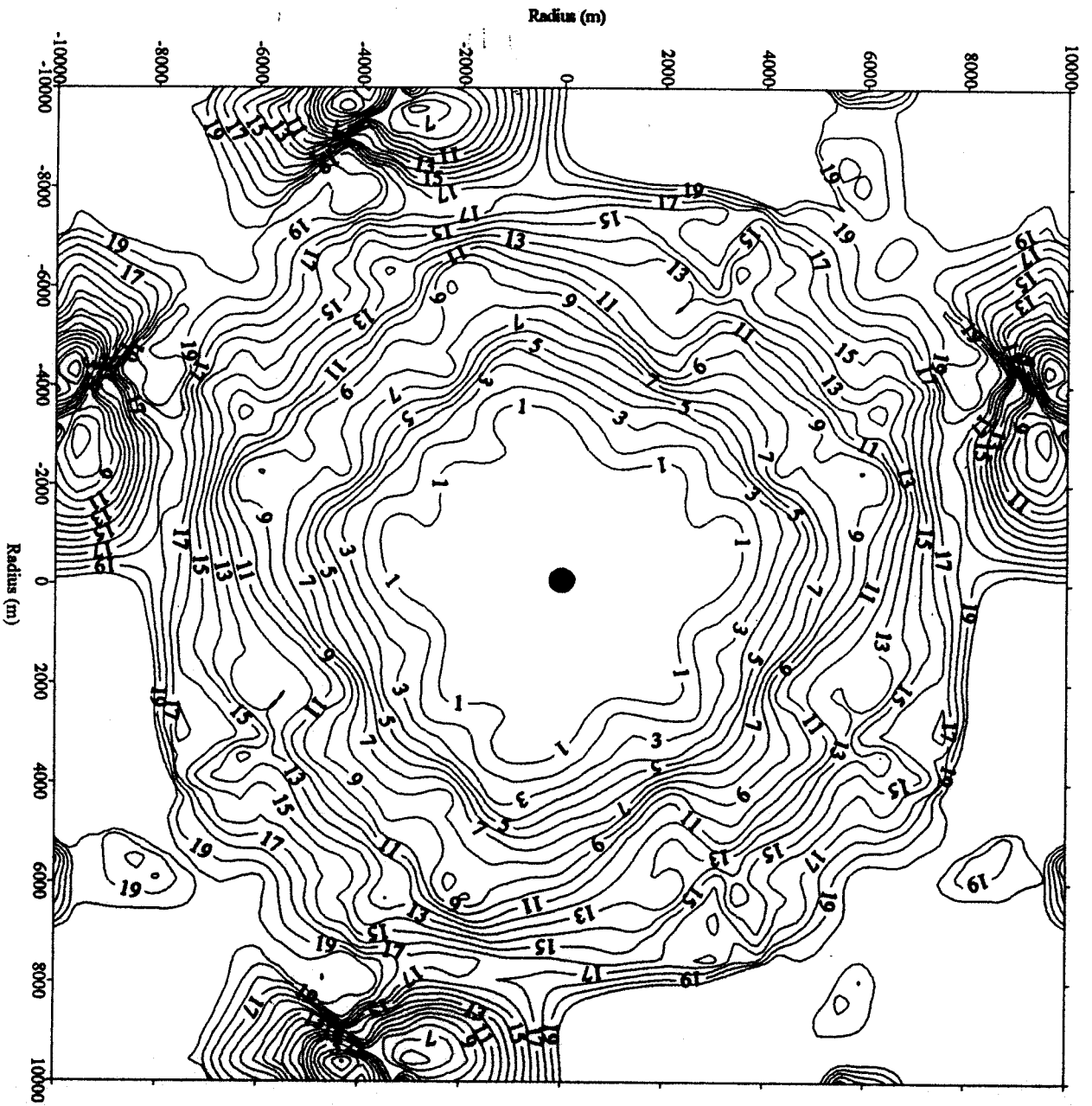


PT. INDORAMA SYNTHETICS Tbk.

Figure III.1.13.

NO ISOPLETON DAY
FOR ANNUAL AVERAGE

Modelling by:
PT. WIDYA CIPTA BUANA
Engineering & Environmental Consultants



Legends :

- Power Plant Location 2 * 30 MW
- ~ Concentration Contour Line $\mu\text{g}/\text{m}^3$

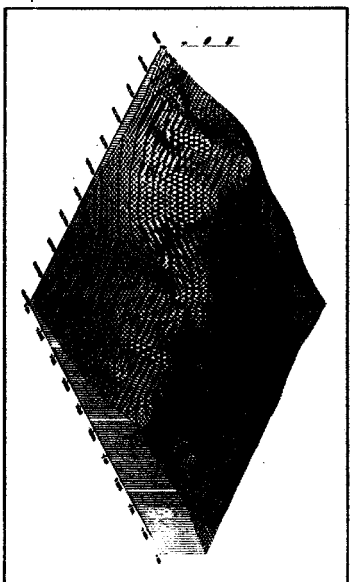


IR PT. INDORAMA SYNTHETICS Tbk.

Figure III.11.13

NO ISOPLET ON NIGHT FOR ANNUAL AVERAGE

Modeling by : **PT. WIDYA CIPTA BUANA**
Engineering & Environmental Consultant



INDERS : PENAMPANG 3 (TIGA) DIMENSI LAHAN DESA KEMBAR KUNING

Legends :

- | | | | |
|--|---------------------|--|---|
| | Building | | Dry Field |
| | Government Office | | Forest |
| | Mosque | | Artery Road |
| | Post Office | | Collector Road |
| | Clinic | | High Voltage Transmission |
| | Bridge | | River |
| | Rain Fed Rice Field | | Power Plant Locator 2 * 30 MW |
| | Residential Area | | Concentration Contour Line $\mu\text{g}/\text{m}^3$ |



PT. INDORAMA SYNTHETICS Tbk.

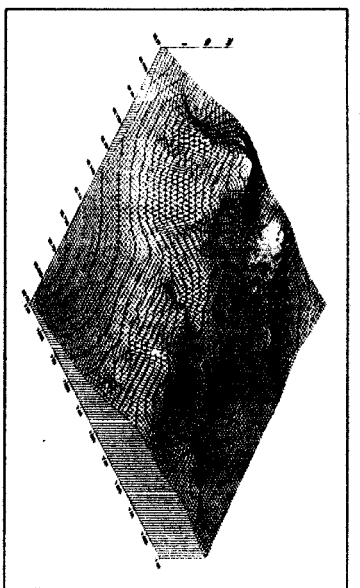
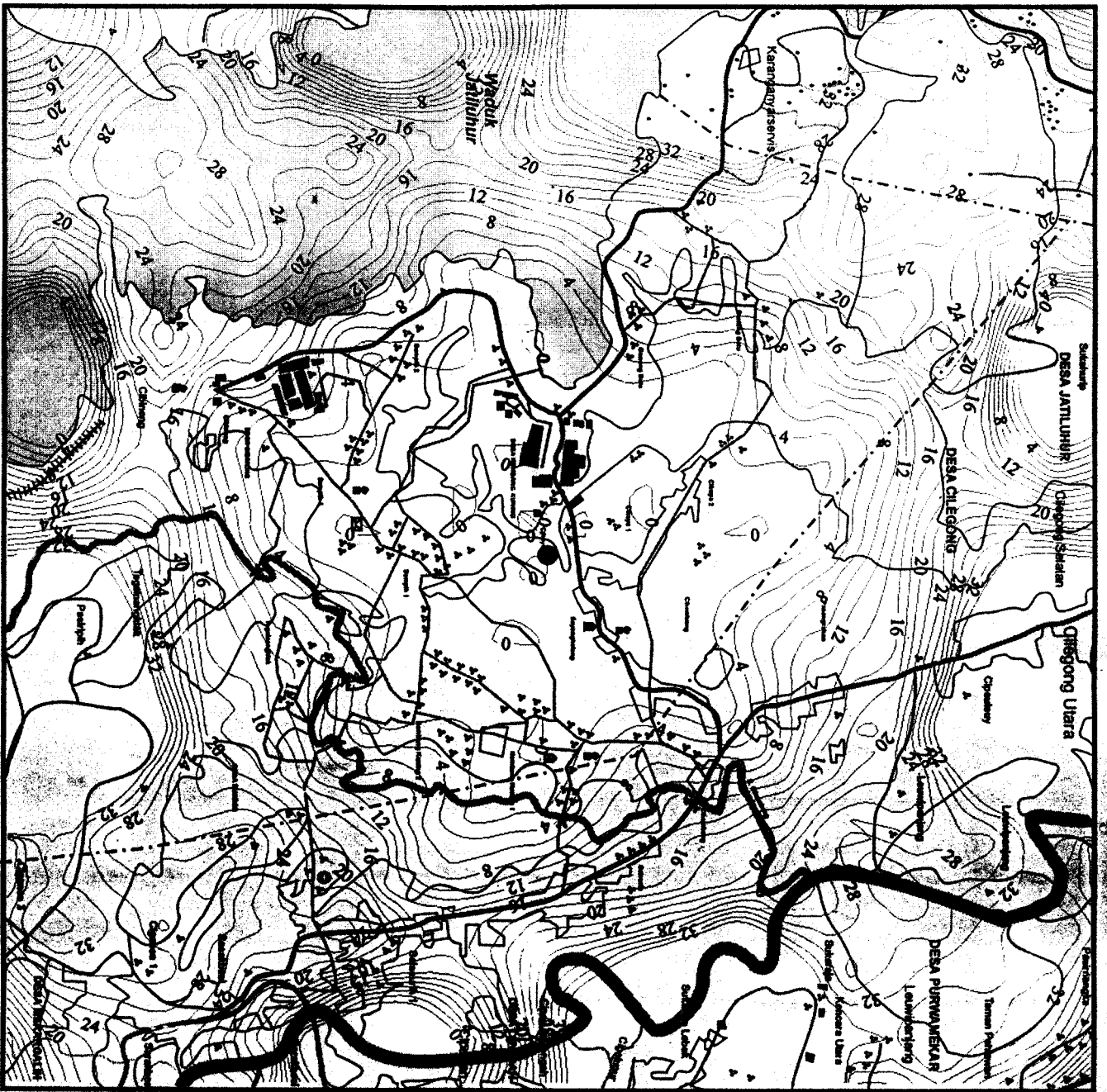
Figure 1.1.13.

**ASH ISOPLET ON DAY
FOR ANNUAL AVERAGE**

Modeling by :



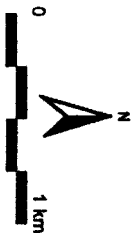
PT. WIDYA CIPTA BUANA
Engineering & Environmental Consultants



INDIKS : PENAMPANG 3 (TIGA) DIMENSI LAYAN DESA KEMBANG KUNING

Legends :

- | | | | |
|---|---------------------|---|--|
| • | Building | □ | Dry Field |
| ▲ | Government Office | ▭ | Forest |
| ⚡ | Mosque | — | Artery Road |
| ✉ | Post Office | — | Collector Road |
| ⊕ | Clinic | — | High Voltage Transmission |
| ⌒ | Bridge | — | River |
| ▭ | Rain Fad Rice Field | ● | Power Plant Location ² * 30 MW |
| ▭ | Residential Area | — | Concentration Contour Line /μgm ³ |



PT. INDORAMA SYNTHETICS Tbk.

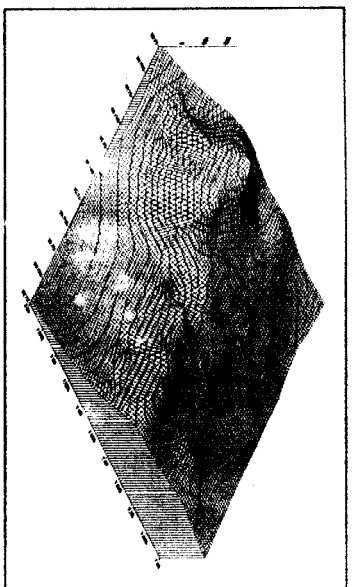
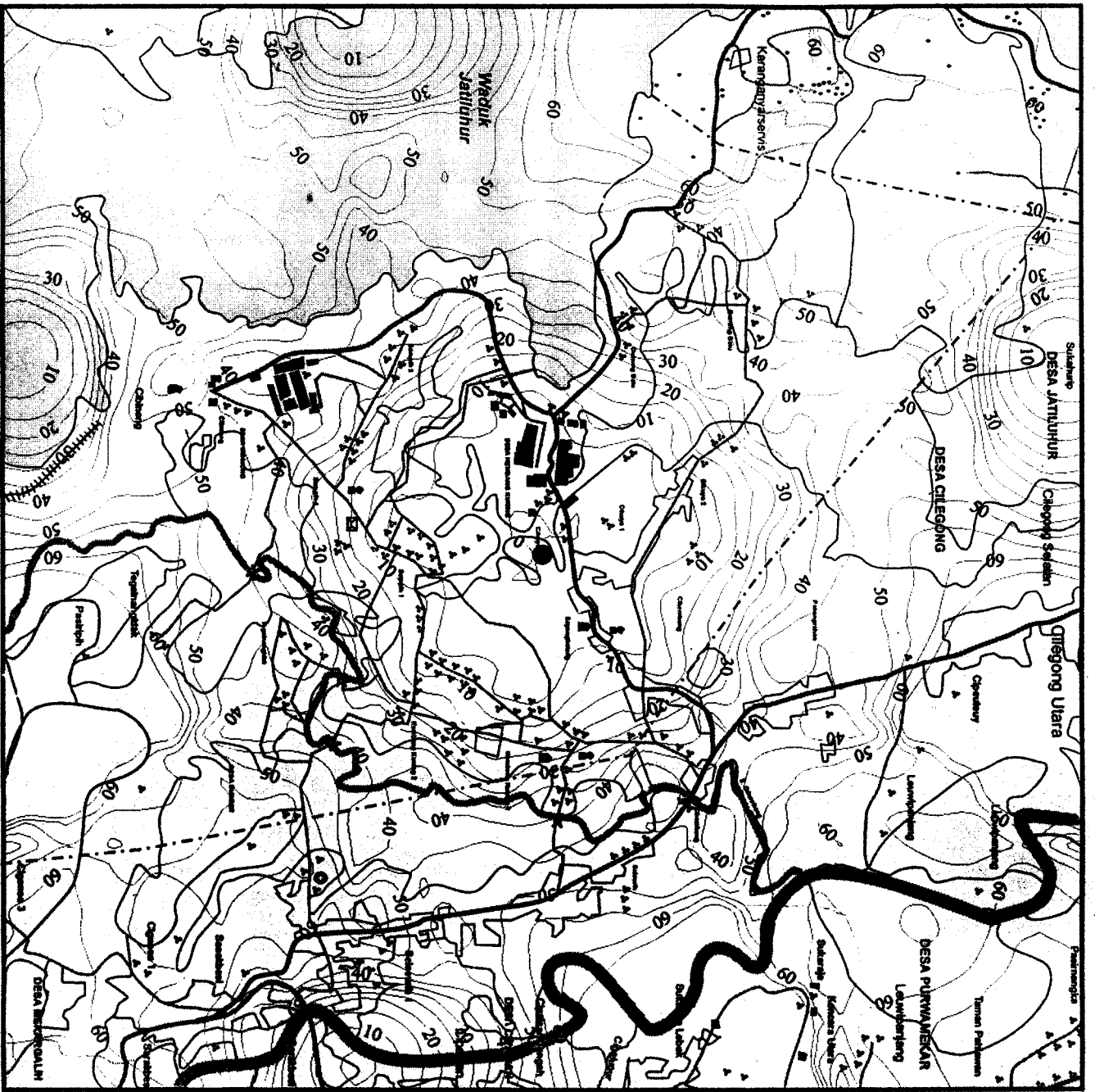
Figure I.11.13.

**ASH ISOPLET ON NIGHT
FOR ANNUAL AVERAGE**

Modelling by :



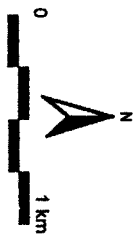
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Engineering & Environmental Consultant



INDERS : PENAMPANG 3 (TIGA) DIMENSI LAHAN DESA KEMBANG KUNING

Legends :

- | | | | |
|---|---------------------|-------|---|
| ▲ | Building | □ | Dry Field |
| ⌘ | Government Office | ▨ | Forest |
| ⌘ | Mosque | — | Artery Road |
| ⌘ | Post Office | — | Collector Road |
| ⊕ | Clinic | — · — | High Voltage Transmission |
| ⌘ | Bridge | — | River |
| ▨ | Rain Fed Rice Field | ● | Power Plant Location? 30 MW |
| ▨ | Residential Area | — | Concentration Contour Line $\mu\text{g}/\text{m}^3$ |



PT. INDORAMA SYNTHETICS Tbk.

Figure IV.1.13.

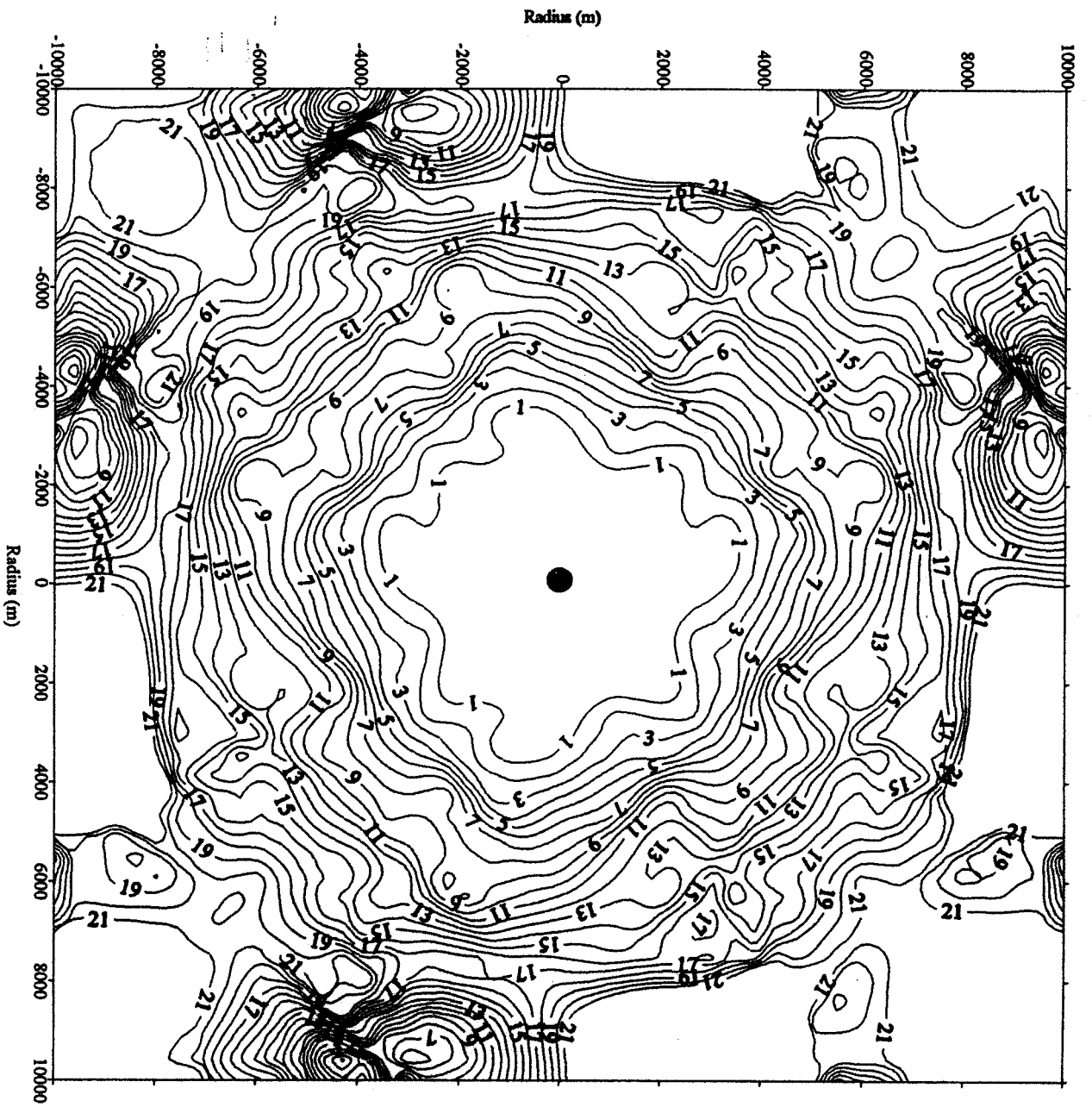
**CO ISOPLET ON DAY
FOR ANNUAL AVERAGE**

Modelling by



PT. WIDYA CIPTA BUANA

Engineering & Environmental Consultants



Legends :

- Power Plant Location 2 × 30 MW
- ~ Concentration Contour Line $\mu\text{g}/\text{m}^3$



PT. INDORAMA SYNTHETICS Tbk.

Figure IV.11.13

**CO ISOPLETH ON NIGHT
FOR ANNUAL AVERAGE**

Modeling by : **PT. WIDYA CIPITA BUANA**
Engineering & Environmental Consulting