

Index

Introductory Note

References such as '178–79' indicate (not necessarily continuous) discussion of a topic across a range of pages. References to footnotes are in italics. Wherever possible in the case of topics with many references, these have either been divided into sub-topics or only the most significant discussions of the topic are listed. Because the entire work is about 'environmental law' and 'China', the use of these terms (and certain others which occur constantly throughout the book) as an entry point has been minimized. Information will be found under the corresponding detailed topics.

- AAQS (Ambient Air Quality Standards), 3, 158–9, 162, 166
 abatement, 47, 153–4, 166, 181, 184, 208, 391
 noise, 79, 333
 pollution, 79, 109–10, 169
 targets, 37, 45, 86, 165, 198
 targets, 28, 86–7, 97, 156, 164–5, 183
 abnormal operation, 105–8, 212, 230
 accidents, 22, 142, 227, 250, 311, 322, 370–2, 382
 traffic, 311, 322
 accountability, xvii, 36–7, 78, 88, 139, 153
 accuracy, data, 199, 227, 237, 283, 346
 ACEF (All-China Environment Federation), 73–7, 83,
 348–9, 354–5, 394–8, 415, 417–22
 achievement of targets, 86, 198, 281
 acid rain, 4–5, 45, 54, 150, 152, 154, 164
 acidic wastewater, 235, 370
 Action Plan on Air Pollution Prevention and Control, xvii,
 23, 36, 86, 152, 154
 Action Plan on Soil Pollution Prevention and Control, xvii,
 23, 36, 275
 Action Plan on Water Pollution Prevention and Control,
 xvii, 23, 36, 196
 active engagement, xvii, 64, 67, 335
 actual harm, 192, 328, 377–9, 381
 actual knowledge, 387
 additives, 51, 289, 291
 adjudication, 24–5, 53, 55, 57–63, 66–7, 357–8
 environmental, 56, 58–9, 63–4, 312, 324, 414
 environmental tort cases, 25, 57, 309
 innovation in, 61, 428
 resources, 59–60
 teams, 60, 412
 work, 24, 53, 56–60, 66, 407, 411, 414
 adjustment, 128, 136, 245, 292
 administrative acts, 21, 338–9, 341, 343, 350, 355
 legality, 340, 358
 administrative agencies, 18, 21, 53, 55, 229, 234, 353
 administrative cases, 24–5, 58, 60–1, 63, 338, 341, 344–6,
 356–8, 412–13
 administrative compulsory measures, 157, 168–91, 343
 administrative decisions, 136, 237, 332, 337–8, 351–4, 358,
 426
 administrative detention, 53, 105, 108–9, 192, 231–4,
 343–4
 administrative disciplinary sanctions, 139–40, 229, 250
 administrative EPILs, 61–2, 64, 393, 408–10, 413
 administrative jurisdictions, 39, 179, 182, 199–200, 246,
 413
 administrative licences, 353
 administrative litigation, 19, 21, 337–43, 346–7, 355–9
 administrative measures, 84, 157, 178, 252, 299
 administrative mediation, 236, 334
 administrative penalties, decisions, 95, 106, 190, 343–4
 administrative PILs, 21, 62, 64–5, 68, 393–410, 426
 administrative powers, 40, 46, 373
 administrative regions, 61, 96, 127, 139, 181, 206, 244, 269
 administrative regulations, 26, 35–55, 122, 228, 310, 344
 administrative rules, 1, 15, 22–8
 administrative sanctions, 190–3, 229, 233, 236, 346–7
 advanced production techniques/processes, 241, 254–5
 adverse environmental impacts, 84, 123–6, 134–7, 139–40,
 149, 264, 285
 advice, procuratorial, 21, 24, 65, 67–9, 409–10, 424–6
 affected parties, 19, 93, 102, 141, 146
 affected residents, 147, 259, 263, 395
 agencies, 21, 34, 67–8, 146–7, 166, 190–2, 230, 236–7,
 306, 353–5, 357, 392, 424–6
 acts, 337–8, 343–4, 350, 352, 354–5, 357, 392, 425–6
 administrative 18 see administrative agencies.
 approval, 132–3, 343
 in charge, 152, 196, 229, 275, 284, 290, 296, 305–6, 391
 of agriculture, 290, 295–6, 305
 decisions, 21, 147–8, 337–50, 352, 354, 356, 358
 discretion, 193, 354, 358

452 | Index

- agencies (cont.)
 environmental, 43–5, 52–3, 55, 60, 126, 128, 145–7
 government, 31–2, 73–4, 116, 118, 240, 246
 local, xvii, 67, 285, 287–8, 295–6, 298, 316–17, 329, 335
 regulatory, 62, 67, 227–8, 264, 287, 337, 409–18
 agricultural activities, 54, 153, 167, 173, 277, 285
 agricultural films, 275, 277, 282–3, 289–90
 agricultural land, 9, 273, 282–3, 289, 291–305 *see also* farmland.
 contaminated, 9, 279, 292, 294, 298
 agricultural output, 5, 80, 173, 277
 agricultural produce, 275–90, 294–6, 304, 315, 326
 quality, 283, 292, 295
 agricultural production, 273, 279, 285, 295–6
 agricultural run-off, 94, 210, 217
 agricultural use, 6, 204, 218, 368, 416
 agriculture, 51, 134–5, 140, 201–2, 280, 283–4, 289
 agencies in charge of, 290, 295–6, 305
 air, 1–2, 11, 13, 41, 44–5, 174–5, 188, 386
 air pollutants, 111–13, 151, 153, 163–4, 174, 176, 180, 188–9, 315
 emission, 161, 170, 427
 major, 3–4, 183, 185
 toxic, 163, 175, 380, 382
 air pollution, 13–14, 150–2, 164–7, 170, 173, 182–4, 187–9, 263, 421
 control, 86, 91, 152–3, 156–7, 160–2, 169, 171, 180, 183–4, 188
 major sources, 2, 150–71, 178
 prevention, xvii, 23, 36, 86, 152–3, 162, 180, 183
 and control, 86, 155
 regulation and control, 152, 157–8
 air quality, 153, 155–88, 299
 index, 158, 185–7
 regional, 180–1
 airports, 158, 174, 244, 261
 Alibaba, 12
 All-China Environment Federation 56 *see* ACEF.
 allocation, 49, 114, 165, 302
 fiscal, 85
 aluminium production, 315–16
 ambient air quality, standards, 3, 158–9, 162, 166, 188
 ammonia, 150–73, 372, 382
 nitrogen, 48, 97, 99, 113, 208, 367, 383, 396, 418
 Anhui, 34, 38–9, 46, 59, 66, 87, 156, 413
 animal carcasses, 173–4
 animal farms, 173, 178, 216, 284
 animal husbandry, 63, 134, 140, 216, 317
 animal waste, 12, 173–4, 202–16, 238–9, 244, 270, 282, 289, 417
 announcements, public, 70, 138
 annual lawmaking plans, 32, 82, 98
 annual reports, 33–5, 59, 76, 88, 280
 anti-seepage measures, 73, 142, 144, 212, 222–3, 231
 apologies, public, 66, 303–4, 328, 406–21
 appeals, 346–7, 349–55, 367, 403, 405, 415, 417
 appellate courts, 349, 355, 422
 application of law, 25, 57, 59, 309–12, 368–77, 393
 appraisal, 23, 69, 155, 157, 327, 330, 335
 bodies, 317–18, 329–31, 399, 417, 423–4
 fees, 317, 398–9, 403, 405, 417–18, 421, 423, 428
 performance, 84, 86–7, 154, 156, 198–9, 279, 281, 355
 reports, 54, 315–19, 325, 327, 330, 399–428
 approval agencies, 132–3, 343
 approval authorities, 93, 121, 124, 126–7, 131–2, 135, 137–8, 140, 207, 267
 AQI 158 *see* air quality, index.
 aquaculture, 51, 217–18, 317
 aquatic farms/farming, 66, 217, 235, 313–14, 323, 326–7, 363
 aquatic species, 6, 204, 211, 219
 aquifers, 7, 195, 209–10, 217, 222–4, 398
 arable land, 217, 289, 372
 arsenic, 9, 11, 212, 214, 218, 273, 277, 369–80
 asbestos, 214, 220, 270
 ash content, 167–8
 assessment, 86–7, 123–5, 127–37, 155, 186, 199–200, 281, 291, 295, 303, 404–5
 environmental (impact) 167 *see* environmental impact assessment.
 fees, 69, 138, 333, 400
 meetings, 147, 341
 methods, 120, 136
 reports, 49, 282, 292, 294, 296–8, 300, 315–16, 318, 331
 risk, 133, 199, 224, 281–2, 291–2, 297–306
 assets, state, 21, 67, 373, 408
 atmospheric environment, 181, 277, 421, 427
 authorities
 approval, 93, 121, 126–7, 131–2, 135, 137–8, 140, 207, 267
 customs, 271, 370–7
 environmental, 94–6, 157, 180–2, 185, 188–9, 201, 206, 208, 221, 228, 264–5, 269–71
 environmental protection, 39–40, 88–93, 121–2, 126, 136–7, 394–5, 412
 fishery, 220, 232, 234, 236
 investigation, 390
 local, 40, 114, 298
 maritime, 229, 232, 234
 state, 215, 228, 240, 254, 281
 supervisory, 39, 138, 171–2, 265
 automatic monitoring devices/equipment, 188–9, 213, 230, 383
 autonomous municipalities, 38, 87, 156, 408
 autonomous regions, 37–8, 45, 87–113, 156, 408
 Bai Jialin, 381
 Baishan Hospital, 62, 409–10, 413
 ballast water, 218–19, 232
 bamboo, 325–6
 bank loans, 116, 263
 bankruptcy, 114, 301, 327
 barbecues, 179, 187
 basic farmland, 241, 294, 368, 372, 379
 basic-level courts, 56, 61, 66, 313, 358, 367, 414
 batteries, 112, 174, 242–3, 256, 389
 Beijing, 40–1, 86–7, 158, 170–1, 178–81, 187–8, 245, 258, 262, 300–1
 Beijing Hongshi site, 9, 274, 301, 304
 Beijing-Tianjin-Hebei Region, 3–4, 150, 154, 159, 161, 180–1, 183, 215, 217
 brain damage, 9, 273
 cadmium-tainted rice, 9, 273, 277, 287
 cancer, 11, 14, 133, 151, 174–5, 195, 251, 326
 lung, 4, 150–1, 178
 capacity, financial, 75, 300, 306, 333
 carcasses, animal, 173–4
 career development, 85, 155, 198

453 Index

- casualties, human, 233, 362, 366, 368, 371–2, 379–81, 384
- causal link, lack of, 25, 75, 312–14, 316, 319, 323
- causation, 54–66, 312–17, 319, 326–8, 331, 405
 lack of, 66–75, 313, 315–16, 319, 326–8, 331, 422
- caves, karst, 212, 222, 229–30, 378, 396, 415
- CBGDF (China Biodiversity Conservation and Green Development Foundation), 58, 75, 302–3, 406–7, 428
- Center for Legal Assistance to Pollution Victims 54 *see* CLAPV.
- central government, 86–7, 99, 101, 117, 156, 159, 253, 256–7, 280
- CEPL (Circular Economy Promotion Law), 241–2
- certificates, qualification, 127, 318, 339
- cessation of infringement, 327–9, 332–3, 395, 403, 416
- Changlong, 10, 287, 302–4
- Changyu, 10, 303–4
- chemical companies, 67, 251, 367, 374, 385–6, 388–91
- chemical factories/plants, 7, 9–10, 274–303, 323–5, 327, 331–2, 364–5
- chemical oxygen demand 28 *see* COD.
- chemicals, 168–9, 175, 178, 218, 226, 256, 289, 291, 331–2
 levels, 6, 204
- Chen Jiahong, 235, 370
- Chen Jinghe, 235, 370
- Chen Jun, 373
- Chen Zhongming, 399
- Chengjiang Jinye, 369–85
- cherry trees, 315–16
- chest pains, 151, 326
- chicken farms, 330
- children, 9, 273, 297
- chimneys, 179, 316
- China Biodiversity Conservation and Green Development Foundation 58 *see* CBGDF.
- China Insurance Regulatory Commission 114 *see* CIRC.
- Chongqing, 35, 39, 46, 62, 87, 113, 115, 156, 322
- Chongqing Green Volunteer League, 398, 415
- chromium, 9, 212, 231, 252–3, 273, 277, 284, 380, 383
 hexavalent, 248, 252, 325, 398
 slag, 398
 waste, 11, 251–60, 401
- chromium-contaminated water, 11, 251
- CIRC (China Insurance Regulatory Commission), 114–16
- circular economy, 28, 48, 118, 173, 245, 247, 254–5, 272
- cities 3–5, 11–12, 113, 150–1, 179–80, 194–5, 214–15, 220–1, 239–59, 261–2, 266, 404 *see also individual cities.*
- city clusters, 154, 180
- civil cases, 24, 63–4, 356, 413
- civil claims, 66, 367, 397, 428
- civil compensation, 66, 367
- civil disputes, 53, 60, 334, 412, 427
- civil EPIL, 61–3, 393, 403, 405, 407, 409–10, 413–14, 416, 427–8
- civil law, 19–20, 308–9
 tradition, 383
- civil liabilities, 20, 236, 309–11, 319, 401, 403
- civil litigation, 21, 25, 74, 309, 312, 318, 408, 423
- civil PILs, 21, 62, 66–9, 74, 408–9
- civil procedure, 19, 24, 308, 312
- civil remedies, 55, 66–9, 80, 310, 329, 414
- civil society, xviii, 15, 31, 72, 77
- CLAPV (Center for Legal Assistance to Pollution Victims), 54, 72–5, 339
- classified management, 279–80, 294
- clay, 303
 natural, 143
- clean coal technology, 152, 168
- clean energy, 30, 154, 166–7, 169, 172, 181–2, 260
- clean production, 47–8, 165, 169, 213–14, 245, 247, 254–5
 processes/techniques, 166, 168–9, 213, 254
 promotion, 48, 118, 213
- cleaning, 188, 219, 246–60
- clean-up, 325, 328, 387, 392, 415–17, 423
 costs, 81, 114, 116, 402, 423
 timely, 329, 423
- climate change, 22–8, 42, 47
- clinical waste, 12–13, 238–9, 249, 256, 264–5, 270
 disposal facilities, 265–6, 268
- clinical wastewater, 201–9, 211, 324, 409
- coal, 2–4, 150–67, 172, 175, 180–1, 184
 ash, 172, 260
 consumption, 2, 30, 87, 153, 156, 167–8, 181, 183–4, 260
 production/mining, 113, 170, 167
 soot, 317
- coal burning, 150, 152–3, 163, 168, 181
- COD (chemical oxygen demand), 48, 97, 99, 195–208, 400–1
- coke, petroleum, 161, 192
- coking, 100, 133, 189, 213–14, 284–6, 297, 382
- collaboration, regional, 153, 157, 180–2
- collegiate panels, 56–7, 62, 410, 413
- command-and-control approach, xvii–xviii, 81, 83, 196, 198, 202
- commercial premises, 274, 297
- commercial secrets, 93, 228
- commissions, 32, 40, 42, 47, 201, 386
- companies, 67, 69, 105, 107, 320–3, 327, 384–6, 406 *see also individual companies.*
 chemical, 67, 251, 367, 374, 385–6, 391
 environmental service, 66, 401
 insurance, 103, 115–16
 management, 67, 395, 412
 water supply, 66, 224, 232, 367, 401
- compensation, 20, 54–5, 59, 63, 236, 311–35, 392–421
 amount of, 315–16, 326
 civil, 66, 367
 ecological, 78, 83, 109, 116–17, 196, 223, 253
 fair, 116, 351
 financial, 117, 223, 259
 for loss, 116, 327–33, 390, 416, 421
 for loss of ecological function, 116, 392, 418–19
 pollution, 63, 66, 312, 314
- complaints, 93, 146, 166, 178, 348, 357, 395, 401
 public, 38, 105, 157, 166, 190, 229, 356, 400
- compliance, 112, 148, 163–4, 233–4, 293–4, 311, 323–4, 326, 337–60
- compost, 215, 246, 258, 260
- comprehensive treatment, 112, 169, 216, 275, 277
- comprehensive utilization, 79, 110, 118, 174, 216, 241, 254, 291
- compulsory measures, administrative, 157, 168–91, 344
- compulsory requirements, 115, 160, 249, 268, 271
- computers, 118, 243, 256
- concentration levels, 3, 95–6, 112, 181, 185, 188–9
- confiscation
 of illegal gains, 192–3, 250, 343–4, 384, 386
 of unlawful property, 343–4

- consent, 207, 243–69, 382, 384
 prior, 325
- conservation, 16, 18, 89, 91, 116–17, 184, 200, 337, 417, 420
 areas, 6, 204
 energy, 48, 109, 154
 ex situ, 420
 resource, 17, 19, 28, 89
- consistency, 1, 19, 58, 61, 228, 310–12, 361, 368
- Constitution, 1, 15–18, 22, 26, 28, 32–5, 79, 88
- construction
 infrastructure, 9, 215, 257
 materials, 167, 169, 172
 projects, 84–5, 96, 122–5, 127–30, 132–3, 141–2, 149, 285, 339–40, 353
 rural, 233, 240, 245, 337
 sites, 150, 153, 156, 167, 172, 187, 192
 treatment facilities, 50, 215–16
 units, 121–9, 131–2, 142, 207
 urban, 35, 134, 140
 waste, 12, 172, 238–9, 244, 249, 260
 workers, 9–10, 274–300
- consultation, 116–17, 123, 164, 184–5, 208, 221, 244–69
 public, 33, 82, 93, 141–2, 145–6, 160, 203, 281–2
- consumers, 2, 21, 40, 118, 162, 224, 242, 252, 403, 408
- consumption, 27, 48, 167–9, 177, 238–40, 242, 272, 274
 coal, 2, 30, 87, 153, 156, 167–8, 181, 183–4, 260
 fertilizers, 217, 274
 human, 204, 305, 324
 quotas, 171–7
 water, 214, 219
- containers, 13, 211, 230, 238, 265, 268, 370, 376, 381
- contaminated agricultural land, 279, 292, 294, 298
- contaminated development land, 293, 297–8
- contaminated farmland, 204, 273, 275, 278, 287, 295–6
- contaminated food, 10, 274
- contaminated land, 2, 253, 275–99, 302
- contaminated rice, 113, 287–8
- contaminated rivers, 320, 400, 411, 418–19
- contaminated sites, 278–9, 282–3, 291–2, 298–301, 304, 306–7, 398, 402
 distribution, 279, 283
 hidden risks, 9, 274
 remediation, 278, 282, 299
- contaminated soil, 293, 303, 417
- contaminated water, 65–6, 71, 239, 251, 274, 317, 367, 417
- contamination, 66–9, 74–5, 80, 194–5, 222, 253–68, 288–9, 298–301, 329, 367, 369–70
 farmland, 9, 218, 273, 282–3, 292, 296, 306
 groundwater, 194–5, 212, 220, 222, 300, 324, 409–10, 415
 heavy-metal, 11, 275, 277, 283, 422
 land, 10, 274–5, 281, 283, 286, 288, 299, 301, 423
 serious/severe, 321, 371, 400–1, 404, 406
 soil, 9–28, 252–3, 262–3, 273–83, 285–8, 291–306
 toxic, 11, 220, 226, 251–2, 265, 301, 304, 374, 418
 water, 40, 197, 204, 217–18, 221, 314, 372
- contracts, 20, 242, 260, 364, 397, 401
- control, xvii, 23, 83–4, 152–5, 176–8, 196–7, 200–2, 210–11, 254–69, 279–81, 289–93, 305–9
 disease, 265, 332
 end-of-pipe, 91, 165, 213, 217
 mechanisms, 95, 120, 154, 169
 pollution, 110, 112, 153–4, 199–200, 208–9, 246–8
 and prevention, 81, 86, 154–5, 245, 247, 305–6, 309
 regulatory, xvii–xviii, 52–3, 152, 175–6, 194–6, 243, 270–1, 279
- cooperation, 182, 201, 229, 391
 regional, 152, 180, 199
- coordinated development, 17, 78, 88–90
- copper, 9, 115, 235, 273, 277, 370–83, 422
 scrap, 52
- corporate criminal liability, 367, 384–6
- corrosion, 5, 150
 control, 252
- corruption, 71, 88, 357, 373
- costs, 13–14, 83–4, 91–2, 232, 261–6, 300–1, 312–30, 383–7, 400–3, 417–18
 cleanup, 81, 114, 116, 402, 423
 emergency response, 62, 66, 413
 litigation, 81, 237, 303–4, 398, 428
 operation, 105, 132, 268, 272, 383, 418–19
 remediation, 91, 299, 302, 304
 restoration, 116, 329, 405, 416, 418–28
 transport, 174, 251
 treatment, 13, 418
- county governments, 29, 43–4, 207, 221–7, 231, 351
- court acceptance fees, 303–4, 403, 428
- courts, 53–65, 235–7, 311–43, 349–58, 395–410, 413–28
see also individual courts.
 appellate, 355, 422
 basic-level, 56, 61, 66, 313, 358, 367, 414
 environmental, xviii, 63, 75, 395, 412
 first-instance, 330, 336, 346–7, 355–6, 358, 405
 high, 56–7, 59–61, 302, 313, 351, 358, 376, 412, 414
 higher-level, 67, 356–7
 intermediate, 61, 340, 343, 346–7, 350–1, 381, 412, 414–15
 local, 53, 55, 60, 95, 314, 355–8, 411, 413
 lower, 57, 66, 314, 316, 324, 326, 358
 maritime, xvii, 323, 393, 400, 410–11
 special, 53, 410
- crimes, environmental, 52–3, 57, 360–2, 365–6, 383, 386–7, 390
- criminal cases, 25, 53, 55, 57, 60, 63, 65, 356, 378–83
- criminal detention, 363, 366, 378, 386
- criminal liability, 19, 22, 251, 361–2, 367–85
 corporate, 367, 384–6
- criminal prosecution, 61–2, 65, 69, 368, 373, 380, 390, 413
- criminal responsibility, 22
- criminal sanctions, 234–5, 267, 360–2, 376–7, 382–4, 387, 390–1
- crop rotation, 289, 296
- crop straws, 12, 169, 173–4, 180, 239
- crops, 5, 9, 174, 218, 273–94, 308
- Cui Jianguo, 373–4
- culpability, 391
- Cultural Revolution, 15, 41, 78, 196
- customs authority, 271, 370–7
- customs duties, 370–1, 374–6
- cyanide, 211–12, 231, 364–82
 liquid, 364
 waste, 364–5
- Danzhou EPB, 346, 353
- data
 accuracy, 199, 227, 237, 283, 346
 emissions, 164, 188–9
 monitoring 43 *see* monitoring, data.
 pollution, 76, 306, 312, 316, 346
- databases, 62, 73, 76, 136
- DDT, 8–9, 176, 273, 277, 300–1

455 Index

- deadlines, 86, 100, 107, 131, 168, 214–24, 230–2, 281
 death penalty, 364–5, 386
 deaths, 1–14, 66, 313–14, 330–1, 334, 368–9, 372, 379
 decision-making processes, 45, 74, 134, 147, 149, 350, 353
 defences, 361, 383, 387–8
 deference, 330, 354, 358
 degradation, environmental, 2, 13, 16, 70, 82, 84, 130, 133, 227, 362
 demotions, 138, 198
 Deng Xiaoping, 1, 15, 80, 84
 denitrification, 165, 427
 dereliction of duty, 65, 88, 361, 363, 366, 371–4
 designated areas/zones, 21, 68, 97, 116, 169, 217, 223, 351, 393
 destruction, 63, 79, 93, 142, 171, 416–17, 420
 ecological, 45–6, 58, 61, 92, 94, 96, 414, 416, 418
 permanent, 368, 379
 desulphurization, 165, 169, 427
 detention
 administrative, 53, 105, 108–9, 192, 231–4, 343–4
 criminal, 363, 366, 378, 386
 deterrence, 83, 153, 389
 detoxification, 210, 268
 developers, 121, 147, 172, 260, 299–302, 342
 development, 19–20, 55–6, 60–1, 77–9, 89–91, 116–20, 134–5, 138–40, 297–9, 360, 393, 411–12
 career, 85, 155, 198
 coordinated, 17, 88–90
 economic, 84, 90, 114, 116, 123, 153, 159
 green, 17, 28, 153, 407
 industrial, 184, 214, 240, 246, 254
 land, 10, 275, 278–9, 282, 284–5, 291–2, 297–9, 305
 contaminated, 293, 297–8
 marine, 134
 plans, 47, 73–4, 96–7, 134, 139, 148
 hydropower, 73, 140–1
 regional, 135–48
 rural, 50, 285
 socio-economic, 47, 85, 89, 155–6, 198, 245, 280
 policies, 133, 149, 214
 regional, 134–5, 148, 240, 246
 rural, 50, 280, 283–5
 socio-economic 16 *see* socio-economic development.
 sustainable 17 *see* sustainable development.
 urban, 121, 261, 286, 298
 diesel, 4, 161–2, 171, 181
 regular, 171
 dikes, 363
 dioxins, 174–6, 263–4
 direct discharges, 51, 104–11, 226, 374
 direct economic loss, 65–6, 192, 216–35, 365, 367, 386
 direct losses, 106, 115, 310, 365, 369, 372
 discharge fees 43 *see* fees, pollution discharge.
 discharge permits 76 *see* pollution discharge permits.
 discharge quotas, 97, 202, 208–9, 227–8, 230, 323
 discharge standards, 107, 202, 206, 215, 218, 228, 230, 347
 discharges, 66, 106–9, 111–12, 208–13, 218–19, 229–32, 323–4, 326–7, 347, 362–83, 426
 direct, 51, 104–11, 226, 374
 effluent 104 *see* effluent discharges.
 illegal, 62, 104, 107–8, 378–89, 396, 400–1, 406, 410, 418
 pollution, 20, 23, 98–9, 103, 112–13, 209, 286, 288
 secret, 108–9, 347, 382, 397, 415, 418–19
 total, 97, 99, 208, 216, 232, 306
 toxic, 7, 230, 286, 367, 369
 unlawful, 230, 314, 402
 wastewater 48 *see* wastewater discharges.
 disciplinary sanctions, administrative, 139–40, 229, 250
 disclosure, 76–7, 82–3, 103, 144–6, 166, 242–9, 304–5, 348–9
 discretion, 135, 140, 192, 343, 347
 agencies, 193, 354, 358
 discussion forums, 137, 140, 142, 353
 diseases, 195, 239, 292
 infectious, 368–9, 378
 dismantling, 171, 220, 232, 255, 286–7, 347, 411, 420
 disposal, 11–12, 104–5, 219, 239–68, 319–21, 380–2, 399–423
 capacity, 239, 249, 257
 facilities, 12, 241, 246, 249, 255, 265–6, 288
 clinical waste, 265–6, 268
 fees, 245, 272, 382
 hazardous waste, 105, 381, 383–7, 423
 household waste, 112, 250, 266–8, 409
 illegal, 22, 321, 366, 370, 387–90
 improper, 210, 289
 MSW (Municipal Solid Waste), 12, 239, 256–7
 safe, 11–12, 239, 241, 244–69, 425
 solid waste, 66, 112, 249, 254, 288
 waste, 12–13, 243, 245, 255, 257–63, 268–9, 272–98
 disputes, 221, 236, 312–13, 316, 394–5, 405, 411, 427
 civil, 53, 60, 334, 412, 427
 environmental, 43, 45, 55, 62, 236, 308, 332, 334
 parties, 236–7, 334–5, 428
 distress, emotional, 326, 332–4
 ditches, 65, 212, 222, 244, 367
 docks, 219, 226, 244, 261
 Dongtai EPB, 341, 349, 352–3
 Dongying EPB, 109, 427
 double-layer oil tanks, 212, 222, 231
 drainage systems, 51, 178, 213, 370
 drains, 230–1, 317
 rainwater, 322
 storm, 235, 320, 370
 drinking water, 5–6, 203–4, 222, 224–5, 252, 287, 403
 safety, 196–7, 216, 220–1, 223–4, 227, 232–3, 351, 402
 source reserves, 7, 104, 116, 221, 278, 285, 378–9
 drug safety, 21, 67–8, 408
 drugs, 217–18, 408
 fake, 63
 veterinary, 51, 289, 291
 dumping, 50–1, 66–9, 104, 211–12, 230–2, 270, 378, 383, 387, 389–90
 illegal, 11–12, 106, 387–8, 398, 402
 rubbish, 218, 409
 dumps, rubbish, 13, 221, 239, 409
 dust, 91–2, 150–68, 172, 174, 395–6
 pollution, 172–3
 removal, 169
 duties, 67, 77–9, 139–40, 144–6, 302, 320, 348–54, 358, 361–3, 371–4, 398–426
 customs, 370–1, 374–6
 legal, 91, 93, 95, 286–307
 monitoring, 230, 372
 statutory, 67–8, 250–1, 343–5, 347–54, 397, 408–10, 424–5
 dyeing, 100, 104, 110, 206–14
 EA 135 *see* environmental impact assessment.
 early warning, 102, 154, 185–7, 200

- earthquakes, 101, 236
 eco-design, 241–2
 eco-environment, 26, 28, 58, 60, 67–9, 279–80, 383, 413
 ecological compensation, 78, 83, 109, 116–17, 196, 223, 253
 ecological damage, 116, 292, 320, 416–17, 420–1
 ecological destruction, 45–6, 58, 61, 92, 94, 96, 414, 416, 418
 ecological environment 16 *see* eco-environment.
 ecological functions, 200, 209–10, 223, 285, 392, 406, 414, 417–19, 424
 ecology, xviii, 23, 38, 142, 157, 280
 economic development, 84, 90, 114, 116, 123, 153, 159
 economic growth, 1, 14, 17, 79, 81, 84, 218
 economic instruments, 18, 78, 82–3, 109, 114
 economic loss, 313, 317–18, 321, 323, 331, 401–2
 direct, 65–6, 192, 216–35, 365, 367–86
 economic reform, 2, 308, 362
 eco-restoration fees 70 *see* restoration, fees.
 ecosystems, 2, 5, 116–17, 141, 143, 407–8, 417–18
 education, 173, 331
 environmental, 42, 88, 405
 public, 79, 246, 272, 279, 405, 407
 effectiveness, 44, 51, 83, 135–7, 144, 355, 361
 effluent discharge standards, 109, 201, 208–9, 215, 217
 effluent discharges, 104, 112, 209, 211, 213, 227, 327, 385
 effluents, 76, 229–30, 347–8, 401
 industrial, 5, 218, 323, 400–1
 EGAs (exceptionally grave accidents), 103
 eggs, 219, 330
 EIAs (environmental impact assessments) xvii *see*
 environmental impact assessment (EIA/EA).
 elderly housing, 285, 297–9
 electricity, 110, 167, 169, 171, 182, 184, 276
 electromagnetic radiation, 318–19
 electronic equipment, 174, 241, 270
 electroplating, 104, 110, 133, 213–14, 284, 286, 297
 emergencies, 102, 186, 192, 224, 226–7, 269
 environmental, 24, 102–3, 105, 107, 116, 226, 389–90
 emergency monitoring, 69, 103, 403
 emergency response, 102–3, 152–3, 185–6, 207, 225–6, 246–7, 250, 268
 costs, 62, 413
 measures, 102, 185–6, 225–6, 286
 plans, 102, 166, 185–7, 225–6, 233, 269, 415
 emission standards, 54–68, 157–71, 175, 178, 182, 192–3
 violation, 171, 192
 emissions, 67–8, 96, 106–8, 152–3, 157, 161, 169–71, 187–8, 191–3, 316, 320, 326
 data, 164, 188–9
 illegal, 106–7, 380, 382
 SO₂, 107, 167–8
 total emission control, 97, 152, 157, 163–4, 183
 trading, 18, 163–5, 209
 vehicle, 26, 52–3, 150, 157, 171
 emotional distress, 326, 332–4
 employees, 320, 322, 365, 367, 373–4, 384, 386
 employers, 94, 166, 306, 322
 end-of-pipe control, 91, 165, 213, 217
 energy, 17, 48, 134–5, 140, 154, 162
 clean, 30, 154, 166–7, 169, 172, 181–2, 260
 conservation, 48, 109, 154
 intensity, 28–9, 47
 mix, 30, 167, 181
 structure, 153, 167
 enforcement, 22–3, 28–31, 39–46, 129, 152–3, 179–80, 190–1, 196–8, 227–8, 371–2, 426
 actions, 53, 67–8, 130, 182
 effective, xvii, 18, 187, 199, 403
 joint, 53, 182, 199, 228
 law, 43, 52, 67, 182, 190, 424–5
 powers, xvii, 83, 85, 95, 104, 123
 weak, 44, 54, 84, 182, 371
 engagement, active, xvii, 64, 67, 335
 ENRC (Environment and Natural Resources Committee), 123, 133–4
 enterprises, 66–9, 91–3, 99–100, 110, 114–16, 154–6, 162–3, 213–14, 226–34, 279–80, 285–6, 384, 426
 chemical, 66, 278, 313, 382
 heavily polluting, 84, 181, 276, 384–5
 high risk, 115–16
 industrial, 169, 212, 228, 285, 300, 302
 polluting, 38, 66, 84–5, 104–5, 115, 213, 228, 275–6, 313–14
 stone-processing, 355, 426
 environment *see also* *Introductory Note*
 atmospheric, 181, 277, 421, 427
 human, 26, 40–1, 121, 278, 292
 and resources, 56, 59, 61, 65–6, 69, 344, 365, 408, 428
 soil, 10, 276, 284, 305, 307
 water, 198, 201–2, 210
 Environment and Natural Resources Committee 123 *see* ENRC.
 environmental adjudication, 56, 58–9, 63, 312, 324, 414
 environmental agencies, 43–5, 52–3, 55, 60, 126, 128, 145–7
 environmental authorities, 94–6, 157, 180–2, 185, 188–9, 201, 206, 208, 221, 228, 264–71
 environmental bureaus 131 *see* EPBs.
 environmental courts, xviii, 63, 75, 395, 412
 environmental crimes, 52–3, 57, 360–2, 365–6, 383–4, 386–7, 390
 environmental criminal cases 25 *see* criminal cases.
 environmental damage, 59, 61, 141, 208, 310, 321–2, 399–401, 420–1
 environmental degradation, 2, 13, 16, 70, 82, 84, 130, 133, 227, 362
 environmental dereliction of duty 65 *see* dereliction of duty.
 environmental disputes, 43, 45, 55, 62, 236, 308, 332, 334
 environmental education, 42, 88, 405
 environmental emergencies, 23–4, 102–3, 105, 108, 116, 226, 389–90
 environmental enforcement 19 *see* enforcement.
 environmental governance, 18–19, 28, 31, 47, 70, 202, 392, 407
 environmental harm, 19–20, 22, 92, 95–9, 121–2, 236, 311, 413–14, 416
 potential, 102, 124, 149, 211, 230, 347, 350, 390
 serious, 269, 387, 402
 environmental hygiene, 172, 239, 246, 256–7, 261
 departments, 246, 260–1
 environmental impact assessment (EIA/EA), 15–16, 79–80, 95–6, 120, 122–49, 163–84, 198–207, 254, 281–5
 approval decisions, 99, 127, 146–8, 339–44, 349–50, 352
 documents, 39, 43, 96–9, 123–9, 131–3, 163, 208, 340
 firms, 123–9
 institutions, 96, 128, 339, 341–3, 350

457 Index

- mechanism, 121, 163, 254
 plan, 120, 123, 134–41, 148–9
 process, 93, 96, 120–41, 145, 259, 340, 343
 project, 120–3, 127, 133–4, 141–2, 147–9
 registration forms, 124–6, 131, 142
 reports, 93, 121–4, 126–47, 339, 342–3, 349
 requirements, 53, 96, 108, 124, 131, 141, 164
 review, 185, 208, 251, 295
 service fees, 128–9
 statements, 126–7, 142, 148, 339, 352–3
 suspension of approval, 97, 116, 198, 207
 environmental information, 39, 73, 75, 92–5, 305, 348
 environmental inspection, 45, 84, 104, 139, 190, 374
 environmental interest, 407, 417
 environmental law *see also* Introductory Note
 reform, xxii, 12, 21, 336
 environmental management, 18, 65, 114, 121–2, 209, 212, 214
 environmental monitoring, 22, 95, 182, 278, 283, 347, 372
 stations, 39, 44
 environmental NGOs, 43, 63, 70–2, 74, 77, 355, 396, 398, 404
 environmental performance, 37, 86, 148, 155, 157, 199, 207
 environmental pollution, 63–4, 66–9, 93–4, 267, 310, 361, 380–5, 387–9, 413–14, 423
 crime, 63, 66–9, 267, 361, 380–5, 387, 391, 398–413, 423
 incidents, 22 *see* pollution accidents
 serious, 251, 267, 366, 378–9, 381–5, 387, 391
 Environmental Protection Bureaus 39 *see* EPBs.
 Environmental Protection Commission (EPC), 42
 environmental public interest, 397, 406–7
 litigation 55 *see* EPILs.
 environmental quality, 10, 33–4, 36, 43–62, 85–6, 90–1, 95, 276, 278–9, 282–3, 336–7
 local, 35–7, 207, 336
 national, 33, 95
 standards, 11, 86, 98, 203, 247, 276, 282
 environmental restoration fees 66 *see* restoration, fees.
 environmental risks, 126, 131, 133, 175, 232, 235, 264
 environmental scrutiny, 84, 106, 116, 135, 139, 189, 199
 environmental services, 110, 118, 302, 306
 environmental statutes, xviii, 19, 32, 122, 309–10, 312, 344, 391
 specialized, xvii, 1, 15, 18, 123, 310–11, 361
 environmental supervision, 38, 45, 88, 355, 371, 373–4, 389, 426
 environmental tax, 78, 83, 99, 111–13, 120
 environmental tort, 310–11, 313, 318–20, 322–3, 326–8, 332, 336
 adjudication of cases, 25, 57, 309
 environmental tribunals, 55–6, 59, 62, 393–5, 410–12
 environmental violations, 55, 93, 95, 104, 106, 108–9, 188–91, 193, 229, 347–8
 serious, 229, 361, 383, 389, 391
 EPBs (Environmental Protection Bureaus), 39, 88, 92–3, 102–8, 131, 147–8, 188–93, 226–32, 243–65, 269, 341–3, 346–9, 425–6
 Danzhou, 346, 353
 Dongtai, 341, 349, 352–3
 Dongying, 109, 427
 Fujian, 235, 370
 Guangzhou, 105, 259
 Jiangsu, 148, 341, 347–9, 352, 354
 Jiangyin, 348
 Jinggu, 428
 Jinping, 355, 426
 Kunming, 402–3
 local, 67–8, 84–5, 102–3, 126–7, 182, 188–9, 266–9, 286, 296–8, 334–5, 347–8, 422
 municipal, 185–6, 189, 227, 249, 269
 Pinghu, 401–2
 provincial, 95–6, 98, 243–71, 281–2, 298, 300, 305
 Qingliu, 355, 424–5
 Shanghai, 341–3, 349, 370, 373
 Xiaoshan, 147, 341–2, 349, 352
 Xiuwen, 76–7, 348–9, 354
 EPC (Environmental Protection Commission), 42
 EPIL (environmental public interest litigation), 55–6, 58, 64, 392–4, 397–8, 402–4, 406–8, 411–12, 416, 428
 administrative, 61–2, 64, 393, 408–10, 413, 425
 civil, 61–3, 393, 403, 405, 407, 409–10, 413–14, 416, 427–8
 EPR (Extended Producer Responsibility), 241–3
 equipment, 43, 169–70, 188, 191, 213–14, 231, 254–5, 268, 286–93
 electronic, 174, 241, 270
 monitoring, 103, 213, 227
 erosion, soil, 2, 420
 evacuation, 103, 368, 379
 evidence, 24–5, 237, 312, 316–18, 328–9, 335, 346, 353–4, 410
 collection, 237, 308, 401
 scientific, 50–76, 128, 144, 152, 313
 solid, 317, 346, 350, 381, 407
 ex situ conservation, 420
 exceptionally grave accidents (EGAs), 103
 excessive packaging, 240, 242, 265
 exemptions, 237, 307, 312–13, 316, 327, 333, 390
 expenses, 68, 79, 115–16, 302, 329, 331, 398, 402, 416–17, 422
 litigation, 396, 398
 medical, 331–2
 expert consultation fees, 80, 303
 expertise, 32, 53, 55, 60, 62, 410–11, 414
 legal, 74–5, 397, 428
 experts, 62–3, 128, 136–44, 160, 330–2, 341–2, 417–19
 explosions, 7, 101, 225, 330, 363
 export, and import, 27, 51, 175–8
 exports, 27, 51, 175–8, 246
 exposure, 10, 151, 239, 274, 277, 287, 292, 297
 long-term, 10, 151, 274, 297
 media, 9, 88, 273, 357, 385
 Extended Producer Responsibility 241 *see* EPR.
 extension projects, 121, 147, 341
 factories, 225, 230, 301, 319, 323, 326, 364–5, 400, 402
 paper, 323, 396
 pesticide, 9–10, 40, 274, 300
 factory premises, 11–12, 251–2, 326
 fairness, 58, 90, 139, 166, 223, 324
 fake drugs, 63
 falsification, 128, 138, 145, 227
 monitoring data, 45, 104–8, 212, 229–30, 427
 farmers, 54, 80, 173–4, 209–17, 289–90, 315, 323–4, 327
 livelihood, 235, 370
 farming, 4, 217, 295
 livestock, 222, 286, 351

- farming (cont.)
 poultry, 36, 216
 farmland, 10–11, 174, 215–16, 275–6, 279–307, 379, 428 *see also* agricultural land.
 basic, 241, 294, 368, 372, 379
 contaminated, 204, 273, 275, 278, 287, 295–6
 contamination, 7, 9, 218, 273, 282–3, 292, 296, 306
 farms, 173, 221, 330, 363
 aquatic, 66, 217, 235, 313–14, 323, 326–7, 370
 livestock, 112, 244
 pig, 351, 403, 417, 425
 poultry, 174, 216–18, 291, 330
 fault, 20, 236, 310–11, 321–3, 390, 418
 degree of, 333–4, 419
 fault-based liability, 20, 309–10, 379, 383
 feedback, 32, 145, 166, 185, 350, 353
 fees, 110–12, 114, 243–5, 303, 391, 396–7
 appraisal, 317, 395, 398–9, 403, 405, 417–18, 421, 423, 428
 assessment, 69, 138, 333, 400
 court acceptance, 303–4, 403, 428
 disposal, 245, 272, 382
 eco-restoration, 66, 70
 expert consultation, 80, 303
 lawyers, 303–4, 396, 417
 pollution discharge, 43, 78, 92, 95, 110–12, 400, 422
 restoration, 66, 70, 405, 414, 416–20, 422, 428
 toxic waste disposal, 404, 423
 wastewater treatment, 111, 215
 fertilizers, 7, 9, 173–4, 213–17, 222, 273, 275, 277–90
 consumption, 217, 274
 and pesticides, 173, 210, 217
 films, agricultural, 275, 277, 283–90
 final disposal, 240–2, 244, 256, 262–3, 266, 269
 financial capacity, 75, 300, 306, 333
 financial compensation, 117, 223, 259
 financial institutions, 85, 307
 financial resources, 20, 75, 109, 312, 397, 410
 financial subsidies, 117, 174, 253
 fines, 68–70, 100, 105–6, 191–3, 230, 233–5, 343–4, 424
 firecrackers, 179, 187
 fireworks, 161, 178–9, 187
 first-instance courts, 330, 336, 346–7, 355–6, 358, 405
 first-instance judgments, 314, 316, 326–7, 349, 351–3, 367, 370, 381
 fiscal allocation, 85
 fish, 40, 218, 308–25, 365, 402
 ponds, 311, 322, 422
 spawning, 6, 204
 fishery
 authorities, 220, 232, 234
 bureaus, 51, 227, 316, 318, 329
 resources, 51, 202, 365
 waters, 51, 203, 207, 234, 319
 fishing, 22, 204, 221, 233, 363
 illegal, 22, 365
 five-year plans, 4–17, 28, 48, 50, 97, 152–3, 164–5, 257–8, 278, 293
 fixed-term imprisonment, 363, 366–89
 flow direction, 209, 250, 255, 266
 fluorescent light bulbs, 118, 256
 fluoride, 315–16
 FON 71 *see* Friends of Nature.
 food
 chain, 9, 175, 218, 277, 422
 contaminated, 10, 274
 safety, 9, 204, 215, 218, 273, 277, 289, 292
 food and drug safety, 21, 67–8, 408
 force, 24, 213, 396, 405
 legal, 24, 254, 427
force majeure, 236, 317, 387–8
 forestland, 10–11, 276–86, 296, 379, 409–24
 special-purpose, 368, 379
 forestry, 60, 63, 134–5, 140, 280, 283–4, 295–6, 413
 forests, 2, 5, 49, 117, 363, 368, 379
 formality, 77, 96, 128, 130, 138, 349
 fossil fuels, 150, 167, 170, 174–5
 freedom, 53, 108, 191, 343
 Friends of Nature (FON), 71–3, 75, 253, 302–3, 398, 405–16, 420, 427–8
 fruit trees, 54, 308, 325–6
 fuels, 160–1, 167, 170–1, 192, 219, 255
 fossil, 150, 167, 170, 174–5
 non-fossil, 167
 Fujian, 39, 46, 75, 87, 156, 205, 325, 369, 371–3, 380
 High Court, 62, 329, 336, 406
 Provincial EPB, 235, 370
 fumes, oil, 178
 FYP 4 *see* five-year plans.
- Gansu, 39, 46, 60, 87, 156, 288, 290
 gas, 167, 170, 184, 212, 238, 375–6, 263
 liquefied petroleum, 169, 260
 natural, 30, 167, 182, 260
 GDP (gross domestic product), 2–14
 growth, 37, 44, 54–5, 84, 155, 199, 238, 240, 335
 general managers, 55, 252, 367, 369, 382, 391
 generators, 12, 238, 241, 244, 253–5, 264–6, 321, 381, 422
 HW, 241, 243, 265–6
 waste, 11, 239, 244, 255, 266, 272, 321, 387–91
 geographical regions, 58, 358, 368
 GEV (Green Earth Volunteers), 72–3
 glass, 13, 100, 150, 189, 214, 239–61
 goats, 11, 251, 335
 gold mining, 80
 GONGOs (government-organized non-governmental organization), 73, 75, 83, 394, 404
 good governance, 337, 343, 357
 governance, 30, 224
 environmental, 18–19, 28, 31, 47, 70, 202, 392, 407
 good, 337, 343, 357
 government agencies/bodies, 31–2, 73–4, 116, 118, 240, 246
 government leaders, 37–8, 202
 government officials, 29, 83, 86, 155, 258
 government policies, 73, 85, 120–3, 134, 139, 152
 government procurement, 78, 83, 109–10, 118, 170, 261
 government-organized non-governmental organization 73
see GONGOs.
 grassland, 10–11, 49, 51, 60, 117, 275–6, 283–5, 289, 295–6, 412–13
 grass-roots NGOs, 75, 397–8, 416
 green development, 17, 28, 153, 407
 Green Earth Volunteers (GEV), 72–3
 green NGOs, 70–3, 394
 gross domestic product 2 *see* GDP.
 groundwater, 6–7, 62, 194–201, 222–4, 285–93, 299, 303, 409–10
 contamination, 194–5, 212, 220, 222, 300, 324, 409–10, 415
 monitoring wells, 197

459 Index

- quality, 6–8, 203–5, 210
 and soil, 62, 69, 212, 288, 295, 303, 413
- growth, 71, 238, 240, 274, 277, 292, 319
 economic, 1, 14, 17, 79, 81, 84, 218
 exponential, 216, 247, 256
 GDP, 37, 44, 54–5, 84, 155, 199, 238, 240, 335
 normal, 282, 294–5
 population, 150, 214, 257, 262
- Guangdong, 38–9, 46, 62, 259, 287–8, 398–9, 411
 High Court, 351, 411
- Guangxi, 34, 38–9, 46, 87, 156, 287–8, 296, 316, 398
- Guangzhou, 3, 105, 259, 301, 333–4
 Maritime Court, 399–401, 411
- guidance, 24, 39, 50, 60, 117, 121, 217
 technical, 148, 271, 282, 292, 295, 299, 350, 352–3
- guilty mind, 387, 390
- Guiyang, 56, 330, 348, 396, 412, 415
- Guizhou, 34, 38, 46, 251–2, 392, 394, 397
 Provincial High Court, 61, 412, 414
- Haidian District, 143, 258
- Haishi, 335
- Haiyanghong, 318–19, 330
- Haizhu District, 399–400, 411
- Hangzhou, 98, 331–2, 382
- Hanyang District, 9, 274
- harm, 20, 91–2, 235–6, 292–3, 310–11, 319–24, 378–9,
 390–1, 399–401, 421–2, 427–8
 actual, 192, 328, 377–9, 381
 elimination, 20, 236, 328, 395, 405
 environmental 19 *see* environmental harm.
 potential, 62, 122, 249, 254, 320, 340, 376, 406
- harmony, 17
 social, 15
- hazardous substances, 219–20, 282, 284–6, 290, 295,
 378–90
- hazardous wastes (HW), 1–11, 211–12, 238–40, 243–4,
 248–9, 264–9, 271, 319, 362–84, 387, 390–1, 423
 disposal, 105, 381, 383–7, 423
 generators, 241, 243, 265–6
 operation, 249, 267–8, 390, 402, 423
 licenses, 319–20, 381–2, 384, 387, 391, 401–2, 404,
 423
- headaches, 10, 40, 169, 274, 326, 331
- health, 14–16, 175, 263, 265, 292, 305, 308, 331–2,
 340
 human, 2–5, 150–1, 169, 174–5, 210, 239–64, 296–7,
 366, 368, 377–9, 421
 impacts, 5, 185, 342
 public, 14, 102, 185, 201–2, 210–11, 221–2, 262–3, 277,
 279–80, 284, 292
 and safety, 12, 211, 224–6, 239, 262, 275, 285
 risks, 259, 262, 277, 279, 292, 297
- heat, 50, 170, 189, 264, 353
- heavy metals, 105, 107–8, 113, 115, 216, 218, 220, 273,
 380, 422
 contamination, 11, 275, 277, 283, 422
- Hebei, 34, 38, 40, 46, 113, 180–1, 382
- Heilongjiang, 34, 38–9, 80, 87, 101, 156, 225
- Henan, 14, 34–5, 38–9, 46, 87, 113, 156, 288, 290
- heritage, natural, 49, 117, 141
- hidden pipes, 104–9, 210, 212, 229–30, 347, 378, 418
- hierarchy, 25, 53, 65, 241
 legal, xviii
 waste management, 239–40, 259, 262, 272
- high courts 56–7, 59–61, 302, 313, 351, 358, 376, 412, 414
see also individual names.
- high-profile cases, 58–74, 140, 326, 377
- homeowners, 341–2
- Hong Kong, 270, 398
- Hong Kong Kaida Ltd, 79
- hospitals, 9, 12, 285, 287, 299–300, 409–10
 Baishan, 409–10
- hotels, 238, 256
- household sewage, 5, 218, 324
- household waste, 112, 216, 244, 256, 268, 409
 collection and transport, 12, 239
 disposal, 112, 250, 266–8, 409
- Huada, 10, 303–4
- Huai River, 46, 194–5, 200, 204–5
- Huang Fucai, 235, 388
- Hubei, 38–9, 59, 113, 115, 415, 424–5
- human casualties, 233, 362, 366, 368, 371–2, 379–81, 384
- human environment, 40–1, 121, 278, 292
- human health, 2–5, 150–1, 169, 174–5, 210, 239–64,
 296–7, 366, 368, 377–9, 421
- human injuries, 22, 236, 292, 363
- Hunan, 38–9, 46, 67, 87, 113, 115, 156, 277, 287–8, 296
- HW 7 *see* hazardous wastes.
- hydropower, 30, 49, 129–30, 297
 development plans, 73, 140–1
- hygiene, environmental, 172, 239, 246, 256–7, 261
- identification, 125, 248, 264
 methods, 264
- ignitability, 248, 264
- illegal discharge, 62, 104, 107–8, 378–90, 396, 400–1, 406,
 410, 418
- illegal disposal, 22, 319, 321, 366, 370, 387–90
- illegal dumping, 11–12, 106, 387–8, 398
- illegal emissions, 106–7, 380, 382
- illegal fishing, 22, 365
- illegal gains, 106, 192, 252, 373, 382–3, 391, 418
 confiscation, 192–3, 250, 343, 386
- illegal import, 365–6, 370, 377
- illegal mining, 66, 75, 416, 424
- illegal operations, 69, 331, 355, 384–5, 387, 389, 426
- illness, 211, 297, 308, 331–2, 334
- implementation, 32–4, 37, 43–5, 86, 128–32, 134–5,
 137–9, 156–8, 160–2, 197–8, 207, 279–82
 local, 34, 37, 45, 253, 280
 plans, 98–9, 103, 137–8, 149
 trial, 18, 23, 25–6, 57–8, 78, 80–1, 96, 121
- import, 51–2, 158–71, 178, 192–3, 261–2, 270–2, 366,
 370–1, 374–7
 and export, 27, 51, 175–8
 illegal, 365–6, 377
 permits, 370, 376
 restrictions, 51–2, 376
 waste, 22, 52, 240, 246–7, 269–71
 prohibited for, 270–1, 370, 375
 solid, 51, 269–71
- imported waste, 22, 52–3, 269–71, 370, 377
- importers, 165, 171, 214, 243–4, 254, 271, 377
- imprisonment, 195–235, 243, 364–5, 367, 369–71, 373–6,
 378, 380–2, 384–7, 389–91
 fixed-term, 363, 366–89
 life, 363, 371
- improvement measures, 131, 137, 168
- incentives, 110, 124, 166, 199, 389

- incentives (cont.)
 direct, 272
- incineration, 240–1, 255, 257–60, 262–6
 waste, 175, 247, 256, 259
- incinerators, 12, 248, 258–60, 262–3, 272
 waste-to-energy, 259
- inconsistency, 81, 203, 310, 383
- individuals in charge, 105, 128, 139, 235, 237, 355, 362, 369, 382, 384
- industrial development, 184, 214, 240, 246, 254
- industrial effluents, 5, 218, 323, 400–1
- industrial enterprises, 169, 212, 228, 285, 300, 302
- industrial relocation, 9, 167, 174, 180, 183, 274, 285, 297, 303, 411
- industrial operators, 9, 11, 274–305, 315, 360
- industrial parks, 11, 149, 184, 190, 212, 223, 276, 382, 421
- industrial processes, 168, 170, 238, 247, 325
- industrial relocation, 9, 273–4, 299–300
- industrial sewage, 283, 289
- industrial sludge, 69–70, 104, 413
- industrial solid waste, 211, 238–55, 299, 325–6
- industrial wastewater, 94, 194, 210–11, 213, 222, 235, 370, 386, 406
 untreated, 40, 213, 406, 418
- industrial zones, 3, 158, 212, 222
- industrialization, 2, 5, 14, 81, 150, 196, 225, 308, 360, 383
- infectious diseases, 368–9, 378
- information, 75–7, 101, 136–46, 160, 182, 207–8, 249–50, 266, 286–304, 348–9
 disclosure xvii see disclosure.
 environmental, 39, 73, 75, 92–5, 305, 348
 lack of, 95, 225, 237
 relevant, 44, 76, 145, 228, 305, 348, 350
- infrastructure, xviii, 113, 216, 219
 administrative, 98
 building, 50, 159, 216–17, 221, 224, 256, 262, 274
 construction, 9, 215, 257
 public, 148, 352
- infringement, 326–30, 332–4, 342, 395, 398, 400–1, 403, 414–16
 cessation of, 327–9, 332–4, 395, 403, 416
- injunctive, 313, 316, 326–8, 392, 396, 401, 414–16
- injury, 310, 312, 331, 335, 339, 379, 392
 human, 22, 236, 292, 363
 minor/slight, 368–9, 372, 379
 personal, 114–16, 326–9, 331, 366
 serious, 368, 372
- Inner Mongolia, 34, 38, 54, 113, 165, 180–1, 288
- innovation, 55, 59, 393, 414
 in adjudication, 61, 428
 technological, 42, 81, 119, 184, 213, 241, 261
- inorganic pollutants, 277
- insomnia, 328
- inspection, 37–8, 45, 103–4, 106–9, 131–3, 190, 228, 230, 247, 250, 372, 374
 environmental, 45, 84, 104, 139, 190, 374
 NPCSC, 34, 220
 on-site, 39, 45, 104–5, 189–92, 317, 372, 374
 random, 128–37, 228
 records, 317, 329
 reports, 132–3, 220, 228, 315–17
 and supervision, 37–8, 215, 268
 teams, 34–58, 190
- installation, 65, 68, 84, 169, 189, 213, 230
- institutional reform, xviii, 36, 41–4, 47–51, 59, 70, 201, 428
- institutions, 91–2, 98–111, 162–3, 226–34, 384
 financial, 85, 307
 key, xviii, 31, 48
 legal, 70, 80
- instruments
 economic, 18, 78, 82–3, 109, 114
 legal, 1, 15, 23, 81, 121, 310
- insurance
 companies, 103, 115–16
 liability, 78, 83, 109, 114–16
- intentions, 387–9
- interest, state, 21, 69
- interests, 19, 21, 60–7, 314, 322, 324, 337–8, 341–2, 352–4, 405
 environmental, 407, 417
 private, 351, 392
 public 55 see public interest.
 and rights, 21, 160, 338, 341–2, 352–3, 357, 388
- interference, 44, 136, 187, 293, 357–8
- intermediate courts, 61, 340, 343, 346–7, 350–1, 381, 412, 414–15
- internet economy, 12, 256
- interpretation, 24–5, 57–8, 376, 404–7
 judicial, 19, 22, 24, 57–9, 313–14, 323–4
 SPC, 329, 380, 407
 SPP, 267, 377, 379–83, 387, 389–90
- investigation, 40, 100, 102–3, 227, 282–3, 291–2, 297–303, 318–19, 327
 authorities, 390
 site, 281, 297, 303
 timely, 188, 286
- investment, 44, 54, 85, 92, 129–31, 262–3
 foreign, 49
 private, 85, 261
- investors, 118, 261
- iron, 100, 110, 150, 167, 177, 189, 206–14
- irrigation, 7, 203–4, 212–18, 222, 289–90, 364, 418
 channels, 197, 211
 sewage, 11, 213, 218, 276–7, 290
 water, 6, 203–4, 218, 282, 287, 295
 quality, 218, 289–90
- ISW 211 see industrial solid waste.
- Jiang Rongxiang, 320, 329
- Jiang Yunchuan, 267, 387
- Jiangsu, 34, 38–9, 61, 113, 115, 392, 394, 413–14
 EPB, 148, 341, 347–9, 352, 354
 High Court, 61, 148, 302, 304, 352, 405, 414
- Jiangsu Jiangyin Harbour Container Co, 74, 334, 394–5
- Jiangxi, 35, 38–9, 87, 156, 287–8, 296
- Jiangyin, 395–6
 EPB, 348
 Harbour, 394
- Jiantao Coking, 382
- Jiaxing Buyun Dye and Chemical Co, 66, 313
- Jiaxing City, 66, 402
- Jiayu Chemical Co, 320–1
- Jilin, 38, 46, 87, 101, 156, 225, 413
- Jilin Petrochemical, 225
- Jinfanda Co, 388–91
- Jinfeng, 54–5
- Jing Jun, 332–3
- Jinggu EPB, 428
- Jinggu Mining, 428
- Jinghu District Procuratorate, 62, 69, 413

461 Index

- Jinhua 268, 371
 Jinhui Chemical, 404–5, 418
 Jinjiang District Procuratorate, 365, 372
 Jinling Chemical, 427
 Jinping, 17–18, 29
 County Procuratorate, 355, 426
 EPB, 355, 426
 Jinyimeng Paper, 327
 joint and several liability, 314, 319–24
 joint enforcement, 53, 182, 199, 228
 joint liability, 308, 321, 421–3
 joint meetings, 147, 181, 200, 341
 joint tortfeasors, 320, 422–3
 judgments, 54, 61, 77, 319, 348–53, 356–8, 423, 427
 first-instance, 314, 316, 326–7, 349, 351–3, 367, 370, 381
 judicial interpretations, 19, 22, 24, 57–9, 313–14, 323–4
 SPC, 329, 380, 407
 judicial mediation, 308–9, 334–5, 393, 427–8
 judicial practice, 55, 320, 338, 360, 377, 416
 judicial redress, xviii, 20, 54, 63, 74, 335, 339, 402, 414, 416
 judicial reform, 55–6, 59
 judicial remedies, 141, 310, 312–13, 328, 334, 336, 338, 342
 judicial resources, 61, 69, 403, 410, 413, 427–8
 judicial review, 147–8, 337–47, 350, 355, 357–9
 effective, 337, 343
 jurisdiction, 55, 60–2, 353, 358, 392–5, 400–1, 411–12, 414
 administrative, 39, 179, 182, 199–200, 246, 413
 centralized, 61, 358, 414
 civil, 60, 412
 issues, 400–1, 414
 karst caves, 212, 222, 229–30, 378, 396, 415
 kidney damage, 252, 288
 knowledge, 312, 357, 365, 376, 382, 387
 actual, 387
 special, 60, 62
 Kunming, 56, 403, 412
 EPB, 402–3
 labels, 221, 265, 293
 LAC (Legislative Affairs Commission), 32
 lack of causal link, 25, 66, 312–14, 316, 319, 323
 lack of causation, 66–75, 313, 315–16, 319, 326–8, 331, 422
 lack of information, 95, 225, 237
 Lake Tai, 7, 46, 94, 200
 lakes, 5, 7, 142, 197, 199–201, 206–7, 209–11, 228, 412–26
 and rivers, 8, 199, 206–10, 289
 land, 1–2, 276–83, 291, 297, 299, 301–2, 335, 368, 379, 397, 419–20 *see also* farmland; wetlands.
 agricultural 9 *see* agricultural land.
 arable, 217, 289, 372
 contaminated, 2, 253, 275–99, 302
 contamination, 10, 275–301, 423
 development, 10, 275–6, 278–9, 282, 284–5, 291–2, 297–9, 305
 forest 10 *see* forestland.
 resources, 1, 10, 172, 229, 257, 262–3, 274–5, 279, 283–4, 298
 transferees, 299–300
 uncontaminated, 279–80, 285
 use, 240, 281, 285, 297–301, 303
 rights, 21, 293, 297–8, 302–4, 306–7, 397, 420
 transfer, 67, 298, 408
 landfills, 212–23, 240–1, 255–8, 260–3, 266–9, 272, 284
 sanitary, 246, 262
 law enforcement, 43, 52, 67, 182, 190, 424–5
 lawful rights, 21, 65, 324, 338, 403
 lawmaking, 18–19, 33, 370
 plans, 32, 36, 82, 196, 279
 annual, 32, 82, 98
 powers, 26, 31, 34–5
 process, 32, 98
 lawsuits, 65, 74, 331, 354–5, 398, 424
 lawyers, 54, 72–3, 82, 237, 385, 397–8, 421
 fees, 303, 396, 417
 leachate, 12, 262
 leakage, 170, 172, 212, 219, 231, 271, 286, 288, 301
 leaks, 235, 332
 leather, 178, 252, 270, 401
 legal assistance, 237, 326, 338, 407
 legal bases, 16, 77, 344–6, 349, 351, 353
 legal duties, 91, 93, 95, 286–307
 legal expertise, 74–5, 397, 428
 legal force, 24, 254, 427
 legal instruments, 1, 15, 23, 81, 121, 310
 legal liability, 81, 83, 124, 134, 138, 319–20
 legal persons, 19, 21–2, 75, 77, 93, 338, 341, 369, 384–6
 legal procedure, 106, 341, 344, 353–4
 violation, 53, 147, 341, 344–6, 352
 legal requirements, 134, 147, 169, 244, 269, 342–3, 350, 353
 legal supervision, 21, 53, 65–7, 408
 legal system, 78, 80, 337, 362
 legality, 343, 346, 357
 of administrative acts, 358
 procedural, 349
 review, 148, 351–2
 Legislative Affairs Commission (LAC), 32
 leniency, 361, 381, 389–90
 leukaemia, 10, 101, 274, 303
 liability
 apportionment, 320–5, 422
 civil, 20, 236, 309–11, 319, 401, 403
 criminal 19 *see* criminal liability.
 fault-based, 20, 309–10, 379, 383
 insurance, 78, 83, 109, 114–16
 joint, 308, 321, 421–3
 joint and several, 314, 319–24
 legal, 81, 83, 124, 134, 138, 319–20
 no-fault, 236, 308–11, 322–6
 tort, 20, 62, 92, 236, 310–11, 325
 liable parties, 62–3, 233–4, 250, 291, 299, 302, 304, 306–7, 321–2, 366, 374–6, 383, 416
 Liao River, 200, 204–5
 Liaoning, 38–9, 87, 156, 290
 High Court, 318, 323–31
 license holders, 387–90, 423
 licenses, 128, 321, 343–4, 351, 384, 387, 391, 402, 405
 administrative, 353
 hazardous waste operation, 319–20, 381–2, 384, 387, 391, 401–2, 404, 423
 operation, 128, 387, 399, 409 *see also* permits.
 life imprisonment, 363, 371
 lifestyles, 118, 162, 246, 272
 lifecycle management, 240–1

- Linshu Chemical, 327
 liquefied petroleum gas, 169, 260
 liquid cyanide, 364
 litigation, 57–74, 236–7, 301, 303–4, 312, 325, 334, 407–8
 see also EPILs; PILs.
 administrative, 19, 21, 337–43, 346–7, 355–9
 civil, 21, 25, 74, 309, 312, 318, 408, 423
 costs, 81, 237, 303–4, 398, 428
 expenses, xviii, 396, 398
 Liu Shengyuan, 235, 370
 livestock, 36, 174, 216–18, 308
 breeding, 277, 289, 291, 330
 farming, 222, 286, 351
 farms, 112, 244
 loans, 307
 bank, 116, 263
 unregulated, 63
 local agencies, xvii, 67, 285, 287–8, 295–6, 298, 316–17, 329, 335
 local authorities, 40, 114, 298
 local bureaus, 50, 66, 172–3, 246, 250, 280–1, 313
 local courts, 53, 55, 60, 94, 314, 355–8, 411, 413
 local environmental quality, 35–7, 207, 336
 local EPBs, 67–8, 84–5, 102–3, 126–7, 182, 188–9, 266–9, 286, 296–8, 334–5, 347–8, 422
 local governments, 36–8, 45–6, 54–5, 84–7, 93–117, 155–7, 173–4, 197–9, 207–31, 298–301, 355–8
 local implementation, 34, 37, 45, 253, 280
 local officials, 84, 101, 198
 local party committees, 38, 55, 357
 local people's congresses, 26, 31, 34–5, 55, 82
 local pilot schemes, 98, 113–15, 165, 202, 392–4, 402–3, 412
 local plans, 43, 207, 215, 249, 280
 local procuratorates 66, 236, 399, 401, 409 *see also* *individual procuratorate names*.
 local protectionism, 182, 335–6, 338, 357–8, 411
 local regulations, 1, 15, 18, 26, 32, 35, 142, 179, 310
 local reservoirs, 65, 251, 367, 387
 local standards, 67–8, 110, 112, 206, 281, 311, 383
 log books, 208, 219
 logging, 22, 66, 363, 366
 long-term exposure, 10, 151, 274, 297
 long-term sustainable development, 2, 17, 84, 95, 199, 337
 loss, 20, 54–66, 80, 314, 316, 318–19, 323–31, 335, 367–9, 379, 418–20
 calculation, 324, 329
 compensation for, 116, 327, 329, 332–3, 390, 416, 421
 of ecological function
 compensation for, 116, 392, 417–19
 heavy, 322, 327, 362–3, 366–8, 371, 373, 377–9, 381
 property, 114–16, 236, 326, 329, 332, 335, 369, 378
 of rice outputs, 80
 total, 69, 313–14, 316, 318–19, 322, 324, 327
 lower courts 57, 66, 314, 316, 324, 326, 358 *see also* *individual court names*.
 low-residue pesticides, 217, 290
 Lu Hong, 147, 341–2, 349, 352
 Lu Pingzhang, 400–1
 Lu Yaodong, 328
 Luliang Chemical, 11, 251–3
 lung cancer, 4, 150–1, 178
 Lüyi, 401–2
 machinery, 174
 non-road mobile, 161, 170–1
 magnetic radiation, 92, 148, 352
 maintenance, 7, 101, 103, 178, 189, 214, 243, 417
 malicious violations, 104, 229, 234
 management, 49–50, 81, 83, 188, 200, 202, 294, 297, 424
 classified, 279–80, 294
 companies, 395, 412
 environmental, 18, 65, 114, 121–2, 209, 212, 214
 lifecycle, 240–1
 risks, 175, 210, 226
 and supervision, 42, 49, 79, 154, 424
 waste, 196, 240, 244, 246–7, 249, 272
 Management Office of the YuanMingYuan Park 142 *see* MOYP.
 managers, 212, 222, 288, 382
 general, 55, 252, 367, 369, 382, 391
 manpower, 43, 46, 93, 293
 manufacturers, 171, 242–4, 290
 manufacturing, 4, 13, 110, 115, 118, 213
 Mao Zedong, 2, 15, 41, 84
 MARA (Ministry of Agriculture and Rural Affairs), 51, 280
 marine development, 134
 maritime authorities, 229, 232, 234
 maritime courts, 323, 393, 400, 410–11
 market mechanisms, 36, 154, 165, 197
 market players, 28, 153
 market prices, 166, 329
 market tools, 113, 120
 markets, 118, 166, 179
 property, 256, 301
 materials
 packaging, 242, 261, 268, 289
 raw, 51–2, 169, 176, 192, 240–1, 269–71, 366, 375–7
 recycled, 246, 260–1
 measures
 administrative, 84, 157, 178, 252, 299
 immediate, 101, 166, 269, 385, 390
 improvement, 131, 137, 168
 mitigation, 125, 132
 preventative, 232, 269, 299
 provisional, 108, 114, 144–5
 rectification, 281, 389, 428
 remedial, 96, 155, 191, 282, 301, 409
 temporary, 191, 403
 timely, 225, 299, 385, 390
 treatment, 232–5, 389
 media, 15, 66, 72, 88, 141, 143, 146, 305, 406
 exposure, 9, 88, 273, 357, 385
 local, 141, 249
 national, 242, 304, 406, 415
 provincial, 66, 413, 421
 mediation, 236–7, 253, 308, 314, 334–5, 393, 395–9, 402, 427–8
 administrative, 236, 334
 judicial, 308–9, 334–5, 393, 427–8
 reports, 253, 334, 395–6, 399, 402, 427–8
 medical expenses, 331–2
 medical services, 297
 MEE (Ministry of Ecology and Environment), 4–5, 7–8, 22–3, 38–40, 47, 50–1, 125–6, 157, 160–1, 177, 202–6, 280–4
 MEP (Ministry of Environmental Protection), 1–10, 22–3, 42, 45–6, 103–4, 111–18, 156–7, 205–26, 275–6, 305, 349–50
 mercury, 9, 11, 174, 212, 214, 218, 273, 277

- metals, 5, 13, 256–61, 376
 heavy 9 *see* heavy metals.
 non-ferrous 100 *see* non-ferrous metals.
 waste, 240, 270–1
- methane, 168, 170
- mills, paper, 74, 327, 396–7, 415
- mining, 22, 216, 222, 284–98, 412, 416
 illegal, 66, 75, 416, 424
 non-ferrous metals, 284, 287
 operations, 9, 49, 66, 273, 277, 283, 287–8, 297
 operators, 10, 80, 276
 wastes, 288, 417
 zones, 11, 222, 276
- Ministry of Agriculture and Rural Affairs 51 *see* MARA.
- Ministry of Agriculture 43 *see* MOA.
- Ministry of Ecology and Environment 4 *see* MEE.
- Ministry of Environmental Protection 4 *see* MEP.
- Ministry of Housing and Urban-Rural Development 49 *see* MOHURD.
- Ministry of Land and Resources 10 *see* MLR.
- Ministry of Public Security 25 *see* MPS.
- misconduct, 138, 388
 professional, 138
- mission statements, 406–7
- mitigation, 132, 136, 154, 285, 312, 316, 327
 measures, 125, 132
- MLR (Ministry of Land and Resources), 10, 42–3, 202, 275–6, 283
- MOA (Ministry of Agriculture), 43, 49, 51, 202, 283, 318
- mobile phones, 243, 256
- mobile sources, 112, 152, 170–1, 173, 182–3, 208
- MOHURD (Ministry of Housing and Urban-Rural Development), 49–50, 201, 246, 281
- Molina, Mario, 176
- monitoring, 50, 103, 175, 187–8, 201–2, 220–1, 227–30, 248, 281–2, 284, 372, 426–7
 conduct, 200, 209–12, 231, 286, 288, 291, 299
 data, 188, 227–8, 230, 236–7, 282, 284, 288, 372, 380
 falsification, 53, 104–8, 212, 229–30, 427
 raw, 103, 227
 devices, 53, 188, 190, 200, 227, 427
 duties, 230, 372
 emergency, 69, 103, 403
 environmental, 22, 95, 182, 278, 283, 347, 372
 equipment, 103, 213, 227
 joint, 199, 228
 networks, 95, 103, 157, 188–9, 200–1, 213, 249, 284
 regular, 189, 288, 295
 regulatory, 53, 188, 212, 227
 reports, 305, 316, 346–54, 372, 396
 routine, 45, 246
 spots, 11, 276
 stations, 39, 44, 79–80, 103, 201, 228, 237, 249, 283–4, 347
 systems, 39, 45, 188, 201, 230, 284
- motorcycles, 161, 171
- mountains, 49, 344, 398, 417
 green, 2, 17
- MOYP (Management Office of the YuanMingYuan Park), 142–4
- MPS (Ministry of Public Security), 25, 52, 182
- MSW (Municipal Solid Waste), 5–12, 238–41, 247, 249, 256–62, 264
 disposal facilities, 246, 257–8
 safe disposal, 12, 239, 256–7
- municipal environmental bureaus, 185–6, 189, 227, 249, 269
- municipal solid waste 5 *see* MSW.
- Nanhu District, 402
- Nanjing, 3, 61, 354, 414
- Nanming River, 396–7, 415
- Nanpan River, 251, 398
- National Catalogue on Hazardous Waste, 238, 264, 378, 381
- National Development and Reform Commission 28 *see* NDRC.
- National Environmental Protection Agency 42 *see* NEPA.
- national environmental quality, 33, 95
- national media, 242, 304, 406, 415
- National People's Congress 28 *see* NPC.
- National People's Congress Standing Committee xvii *see* NPCSC.
- national standards, 206, 221, 253, 281, 323, 364
- national surveys, 10, 216, 274–93, 304–5
- natural gas, 30, 167–9, 182, 260
- natural heritage, 49, 117, 141
- natural persons, 332, 361, 369, 376, 383, 385
- nature reserves, 3, 49, 68, 104, 117, 148, 158
- nausea, 40, 169, 303, 331
- NDRC (National Development and Reform Commission), 28, 42–9, 51, 111, 140–1, 247, 254, 265–70
- negligence, 236, 364–5, 387
- NEPA (National Environmental Protection Agency), 42
- newspapers, 146, 160, 249, 350
- NGOs (non-governmental organizations), 69–70, 74–5, 82–3, 141, 337, 394, 397–8, 403–20, 428 *see also* GONGOs.
 environmental, 43, 63, 70–2, 74, 77, 354, 396, 398, 404
 grass-roots, 75, 397–8, 416
 green, 70–3, 75, 394
 second-tier, 69, 75, 398
- Ni Xulong, 318–31
- nickel, 9, 115, 174, 268, 273, 277, 380, 383
- NIMBY, 263
- Ningxia, 34, 38, 46, 87, 156, 406
- Ningxia Ruitai Science and Technology Co, 58, 406
- nitrates, 4, 210
- nitrogen, 9, 94, 168, 195, 208, 216, 273
 ammonia, 48, 97, 99, 113, 208, 367, 383, 396, 418
 oxides, 48, 97, 113, 150–4, 164–5, 173–4, 188–9, 421
- no-fault liability, 236, 308–11, 322–6
- noise, 78, 92, 112, 142, 189, 318–19, 333–5, 353, 396
 abatement of, 79, 333
 extreme, 79, 332
 nuisance, 18, 308, 348
 pollution, 44, 332–3, 394–5
- non-ferrous metals, 100, 110, 150, 169–70, 213, 276, 287
 mining, 284, 287
 refineries, 133, 189, 211
 smelting, 284, 286, 297
- non-fossil fuels, 167
- non-governmental organizations 43 *see* NGOs.
- non-point sources, 51, 202, 217, 222
- non-road mobile machinery, 161, 170–1
- normal operation, 104, 188, 201, 216, 227, 288, 415
- NOx 3 *see* nitrogen, oxides.
- NPC (National People's Congress), 28, 31–3, 35, 71, 94, 121, 133, 310

464 Index

- NPCSC (National People's Congress Standing Committee), xvii–xix, 25–6, 31–6, 82, 275, 310, 393, 408, 410
 inspection, 34, 220
 nuisance, 142, 178, 262
 projects, 264, 285
- obnoxious odours, 79–80, 160, 173–4, 178, 190
 obstructions, 190–1, 328, 333, 415
 removal, 327–8, 333, 414, 416
 ocean-going vessels 171 *see* OGVs.
 ODS (ozone-depleting substances), 27, 51, 176–8, 220
 officials
 government, 29, 83, 86, 155, 258
 local, 84, 101, 198
 off-site restoration, 328, 416, 420
 OGVs (ocean-going vessels), 171–2, 218
 oil, 99, 167, 170, 211–31, 322, 426
 fumes, 178
 processing, 133, 284, 286
 refineries, 100, 189
 residual, 171
 spills, 321–2
 tanks
 double-layer, 212, 222, 231
 waste, 105, 218, 232, 268
 oilfields, 11, 276, 363
 omissions, 127, 129, 337–8, 343–4, 354–8, 362, 392–426
 unlawful, 21, 355, 360, 424
 online shopping, 12, 256
 on-site inspection, 39, 45, 104–5, 189–92, 317, 372, 374
 reports, 316
 on-site restoration, 419
 operation cost, 105, 132, 268, 272, 383, 418–19
 operation licenses, 387, 399, 409
 operation permits, 62, 266–8
 operations
 abnormal, 105–8, 212, 230
 hazardous waste, 249, 267–8, 390, 402, 423
 illegal, 69, 331, 355, 384–5, 387, 389, 426
 industrial, 9, 167, 174, 180, 183, 274, 285, 297, 303, 411
 mining, 9, 49, 66, 273, 277, 283, 287–8, 297
 normal, 103, 188, 201, 216, 227, 288, 419
 operators, 169–70, 173, 188, 212, 215, 219–20, 227–8, 244–5, 260–1, 263–4, 288
 industrial, 9, 11, 274–305, 315, 360
 project, 124, 132–3, 148, 206
 organic compounds 9, 153, 169, 174, 273 *see also* VOCs.
 organic solvents, 169–70
 output
 agricultural, 5, 80, 173, 277
 rice, 80, 287
 ozone, 27, 154, 169, 174, 176–7
 ozone depleting substances 27 *see* ODS.
- packaging, 261, 268
 excessive, 240, 242, 265
 materials, 242, 261, 268, 289
 pesticides, 289, 291
 waste, 12, 238, 241, 256, 290
 paddies, 80–1, 287–8
 pain, 330, 332, 334
 paint, 161, 189, 381
 Pan Yue, 71, 130
- panels
 collegiate, 56–7, 62, 410, 413
 review, 136–9, 141
- paper
 factories, 323, 396
 industry, 66, 387
 mills, 74, 327, 396–7, 415
 waste, 52, 270, 370
- particulate matter, 150–81, 183
 parties, affected, 19, 93, 102, 141, 146
 parties in violation, 192, 230–1, 344, 368, 391
 party committees, local, 38, 55, 357
 Pearl River, 7, 46, 204–5, 398
 Delta, 3–4, 150, 154–80, 183, 215, 217
- penalties, 43, 108, 232, 234, 391
 administrative, 106–9, 190, 344–6, 348, 390–1, 424–5
 death, 364–5, 386
- people's procuratorates, 19, 21, 24, 53, 57–63, 66, 355, 393
- performance
 appraisal, 84, 86–7, 154, 156, 198–9, 279, 281, 355
 environmental, 37, 86, 148, 155, 157, 199, 207
- permit-control mechanism, 98–9, 209, 267
- permits
see also licenses.
 conditions, 99, 190, 215, 250
 discharge, 76, 229, 348, 385, 402, 419
 import, 370, 376
 operation, 62, 266–8
 revocation, 78, 192, 250, 343
- personal injury, 114–16, 326–9, 331, 366
 persons in charge, 22, 92, 138, 190, 198, 229, 234
 pesticide factories, 9–10, 40, 274–7, 300
 pesticides, 7–8, 51, 53, 173, 175–6, 213–14, 216–22, 273, 277–90
 and fertilizers, 173, 210, 217
 low-residue, 217, 290
 packaging, 289, 291
- petition letters, 258–9
 petitions, 75, 258, 314, 322, 331, 356–7, 395
 petrol stations, 170, 212–23, 231
 petroleum coke, 161, 192
 phenol, 66, 195, 367, 382, 386–7
 volatile, 66, 99, 367, 382
- phosphorus, 94, 208, 212, 216, 222, 231
 photocopies, 104, 190, 250, 423
 photos, 94, 104, 189, 316, 328, 396, 415
 pig farms, 351, 403, 417, 425
 pilot exercises, 43–4, 113–15, 134, 242–3, 393–4, 408, 410
- pilot schemes, 25, 113, 115–16, 118, 243, 279, 408, 412
 local, 98, 113–15, 165, 202, 392–4, 402–3, 412
- PILs (public interest litigation), 21, 57–63, 69–70, 74–5, 82–93, 392–5, 408–9
 administrative, 21, 62, 64–5, 68, 393–410, 426
 civil, 21, 62, 68–9, 74, 408–9
- Pinghu, 66, 313, 322, 401–2
- pipes, 105, 227, 428
 hidden, 104–9, 210, 212, 229–30, 347, 378, 418
- pits, 62, 65, 104, 106–8, 212, 222, 229–31, 367
- plaintiffs, 237, 312–13, 315–25, 328–32, 334–5, 341–3, 355–8, 394–417, 423–4
 loss, 20, 54, 312–13, 317, 335
- plan EA, 120, 123, 134–41, 148–9
 plan proponents, 136–8, 140

465 Index

- planning, 47–50, 152, 162, 196, 201, 213, 219, 246–7
 rational, 121, 213
 regional, 43, 49, 202
 urban, 168, 298
- planning authorities, 122, 340
- plans
 draft, 28, 135–8, 140
 emergency response, 102, 166, 185, 225–6, 233, 269, 415
 general, 134, 138, 140
 implementation, 98–9, 103, 137–8, 149
 law-making, 32, 36, 82, 196, 279
 local, 43, 207, 215, 249, 280
 local governments, 86
 remediation, 63, 296–300, 303, 415
 restoration, 411, 414, 417–18, 420
 socio-economic development, 47, 85, 89, 155–6, 198, 245, 280
 specialized, 28, 134–6, 138–40, 149, 221
- plants, 16, 54, 277, 292, 316
- plastic bags, 12, 256
- plastics, 13, 177–8, 239–40, 261, 276, 283, 288
 waste, 52, 271–2, 282, 288, 376
- PM_{2.5}, 2–4, 150–1, 153–4, 158, 178–9, 181, 183–5, 188
 PM₁₀, 2–4, 86–7, 150–1, 154, 156, 183–5, 188
- poisoning, 9, 273, 275, 287, 300–1, 334, 360, 368, 379
- police, 180, 190, 229, 236, 259, 364, 368, 386
 local, 94, 182
- policies, government, 73, 85, 120–3, 134, 139, 152
- political campaigns, 2, 15, 38, 41
- pollutants, 96–7, 104–9, 111, 113, 203–8, 211–12, 292–3, 297, 315, 322–3, 383
 air 92 *see* air pollutants.
 inorganic, 277
 key, 96–8, 107, 113–14, 138, 153, 284, 288, 292
 water, 98–9, 112, 206, 208
- polluters, 20–1, 73–5, 92, 105–7, 110–11, 114, 166, 236–7, 249–50, 300–2, 304–5, 310–23
 potential, 160, 188, 191–2, 244
- polluting enterprises, 38, 66, 84–5, 104–5, 115, 213, 228, 275–6, 313–14
- polluting sources, 95, 97, 106–7, 111, 113, 182–9, 226–7, 311–21
- pollution
see also *Introductory Note*.
 abatement, 79, 109–10, 169
 targets, 37, 45, 86, 165, 198
 compensation, 63, 66, 312, 314
 control, 110, 112, 153–4, 199–200, 208–9, 246–8
 facilities, 91, 104–7, 190, 285, 326, 380, 415, 426
 installations, 79, 108, 131–3, 417, 427
 measures, 109, 132–3, 153, 157, 170, 172, 192, 254–5, 389–91
 data, 76, 306, 312, 316, 346
 discharge, 20, 23, 98–9, 102, 112–13, 209, 286, 288
 allowances, 99, 113–14, 120
 fees, 43, 78, 92, 95, 110–12, 400, 422
 permits, 76, 98–100, 113, 116, 133, 348, 351
 dust, 172–3
 incidents, 87–8, 100–1, 115, 225–6, 233–5, 268–9, 284, 318–19
 liability insurance, 78, 83, 109, 114–16
 noise, 44, 332–3, 394–5
 prevention, 47–8, 83, 85, 91–2, 109–11, 131–2, 254–5, 279–80, 413–18
 risks, 52, 220, 225, 232, 266
 soil, 10–11, 274–83, 289–93, 296, 298–9, 306–8
 total pollution control, 78, 96–9, 113, 120, 149
 treatment, 69, 189, 191–3, 403, 423
 facilities, 46, 84, 108, 383
 victims, 54–5, 74, 236–7, 308–10, 313–30, 334–6, 421–2
 water, 1–2, 54–66, 196–7, 199, 212–15, 217, 232, 236–7, 289, 364–5, 400–1, 411–12
 water xviii *see* water, pollution.
- polycyclic aromatic hydrocarbon (PAH), 277, 284
- ponds, fish, 311, 322, 422
- population growth, 150, 214, 257, 262
- potential environmental harm, 102, 149, 211, 230, 347, 350, 390
- poultry farms, 174, 216–18, 291, 330
- poverty, 1, 81
- power
 generation, 167–8, 187, 189, 318
 thermal, 100, 163, 189, 214
 plants, 4, 150, 165, 211
 thermal, 129, 160, 168, 211
 transmission, 342
- powers
 administrative, 40, 46, 373
 enforcement, xvii, 83, 85, 95, 104, 123
- pragmatic approach, 80, 291, 334, 404
- pre-litigation procedures, 70, 408–9
- premises, 104, 188–90, 228, 239, 250, 265, 277, 328, 369
 factory, 11–12, 251–2, 326
 residential, 179, 256, 297, 299, 301, 333, 340, 342, 421
- pressure, 38, 42, 76, 81, 84–5, 355, 357
 political, 101, 130
 public, 76, 158
- preventative measures, 232, 269, 299
- preventative principle, 18, 88, 91, 121, 197, 207, 361
- prevention, 20, 47–8, 91–2, 109–11, 131–2, 245, 254–5, 279, 285, 418
 air pollution, xvii, 23, 36, 86, 152–80, 183
 and control, 81, 86, 154–5, 245, 247, 305–6, 309
 soil pollution, xvii, 17, 36, 275, 279–81, 296, 306–7
 water pollution, xvii, 23, 35, 196, 200–2, 206, 415
- prima facie case, 237, 314–15, 317, 329, 335
- printing, 104, 110, 169, 206
 inks, 169
 textile, 206
- private interest, 351, 392
- private investment, 85, 261
- procedural requirements, 147, 342, 353
 public participation, 147, 342, 353
- procedure
 civil, 19, 24, 308, 312
 legal, 53, 106, 147, 341, 344–54
 pre-litigation, 70, 408–9
- processes, 99, 101, 138–40, 144–5, 175–6, 237–8, 271–2, 291
 industrial, 168, 170, 238, 247, 325
 production, 48, 79, 158, 165–75, 213–14, 252, 254–5
- procuratorates, 31–67, 368, 371, 393–5, 399–402, 407–25
see also *individual procuratorate names*.
 local, xvii, 66, 236, 399, 401, 409
 SPP (Supreme People's Procuratorate), 24–5, 57, 65–7, 361, 378, 380, 383, 393, 408
 standing, 407–8, 410
- procuratorial advice, 21, 24, 65, 67–70, 409–10, 424–6
- procurement, government, 78, 83, 109–10, 118, 170, 261

- product standards, 158, 160–1
 production, 63, 68, 107–8, 110, 158, 167–9, 177, 191–3, 238, 241, 284
 agricultural, 273, 279, 285, 295–6
 clean 47 *see* clean production.
 operators, 92, 95, 98, 104, 106, 110–11, 162–3, 224
 records, 177, 250
 scale, 99, 325, 389
 suspension, 105, 107–9, 191–3, 228, 230, 234, 343–4
 techniques/processes, 48, 79, 158, 165–75, 213–14, 252, 254–5
 advanced, 241, 254–5
 clean, 168–9, 213
 products, 118, 157–8, 160–1, 165, 169, 191–2, 241–4, 261, 272
 agricultural 277 *see* agricultural products.
 professional misconduct, 138
 profits, 108, 193, 245, 321, 330, 333, 365, 384, 387
 project EIA, 120–3, 127, 133–4, 141–2, 147–9
 project operators, 124, 132–3, 148, 206
 project proponents, 93, 96, 122, 126, 142, 144–5, 147, 341–3
 property developers 121 *see* developers.
 property loss, 114–16, 236, 326, 329, 332, 369, 378
 property markets, 256, 301
 proponents
 plan, 136–8, 140
 project, 93, 96, 122–6, 142, 144–5, 147, 341–3
 prosecution, 25, 66, 236, 367, 371–2, 378, 380, 387, 384, 390
 criminal, 61–2, 65, 69, 368, 373, 380, 390, 413
 protection, 17–18, 47, 49, 67, 176–7, 197–8, 279–80, 285, 307, 406–8
 special, 3, 158, 178, 199, 221, 241, 336
 zones, 158, 178
 protectionism
 local, 182, 335–6, 338, 357–8, 411
 protests, 66, 258–9, 314
 mass, 71, 100
 provinces 45 *see* *individual provinces*.
 provincial boundaries, 45, 126, 180, 221, 228, 243–4, 269, 413
 provincial environmental authorities, 200–1, 209, 267
 provincial EPBs 95–6, 98, 243–71, 281–2, 298, 300, 305 *see* *also* *individual EPB names*.
 provincial high courts 56 *see* high courts.
 provincial media, 66, 413, 421
 provisional measures, 108, 114, 144–5
 PSBs (public security bureaus), 52–3, 109, 182, 235, 344, 370, 380–91
 public announcements, 70, 138
 public apologies, 66, 303–4, 328, 406, 413, 415, 421
 public bathhouse project, 352–3
 public complaints, 38, 105, 157, 166, 190, 229, 356, 400
 public consultation, 33, 82, 93, 141–2, 145–6, 160, 203, 281–2
 public education, 79, 246, 272, 279, 405, 407
 public facilities, 238, 260–1, 297
 public health, 14, 102, 185, 201–2, 210–11, 221–2, 262–3, 277, 279–80, 284, 292
 public interest, 351, 403–4, 406–8, 410, 414–15, 420, 428
 environmental, 397, 406–7
 litigation xviii *see* PIL.
 social, 21, 67–8, 392, 415, 427–8
 public opinion, 136–7, 140, 145–6
 public participation, 18, 23, 73–4, 82–3, 92–3, 121, 140–7, 260, 340–53, 392
 procedural requirement, 147, 342
 public safety, 52, 420
 public security, 1, 53, 65, 102, 171, 363, 386
 bureaus 53 *see* PSBs.
 public supervision, 82–3, 88, 94–5, 164, 166, 207–8
 public transport, 170, 260–1
 punishment, 79, 193, 198, 227, 344, 361, 386, 390
 severe, 361, 389
 Puyang, 311
 Qinghai, 39, 46, 87, 156
 Qingliu EPB, 355, 424–5
 Qingshui River, 426
 Qingzhen, 56, 75, 77, 354, 396–7, 412, 415
 Qu Geping, 41, 133
 Qu Zhongquan, 315
 qualification certificates, 127, 318, 339
 qualified third parties, 232, 253, 355, 422
 quality
 air 3 *see* air quality.
 environmental 10 *see* environmental quality.
 groundwater, 6–8, 203–5, 210
 irrigation water, 218, 290
 soil, 278, 281, 290, 295
 standards, 158, 161, 168–71, 282
 water 6 *see* water, quality.
 quarantine, 247, 271, 299
 Qujing, 11, 251–3, 398
 quotas, 157, 168–77, 213
 consumption, 171–7
 discharge, 97, 202, 208–9, 227–8, 230, 323
 total control, 106–8, 192, 208, 215, 288, 320
 total emission, 96, 163, 165–6
 radiation
 electromagnetic, 318–19
 magnetic, 92, 148, 352
 radioactive substances, 20, 92, 168, 211
 rain, acid, 4–5, 45, 54, 150–64
 rainfall, 210
 heavy, 251, 317
 rainwater, 217, 317, 320
 random inspection, 128–37, 228
 rational planning, 121, 213
 raw materials, 51–2, 169, 176, 192, 240–1, 269–71, 366, 375–7
 reactivity, 248, 264
 reasonableness, 135–6
 rebuilding, 78, 80, 337, 362
 records
 inspection, 317, 329
 production, 177, 250
 violation, 76, 94, 404
 recovery, 226, 239–43, 245, 247, 255–6, 259–61, 270–2
 and recycling, 48, 239–43, 247, 259, 261, 272
 resource, 47, 242, 262
 waste, 79, 245–64
 recreational use, 6, 203–4
 rectification, 67, 106–7, 228, 234, 355–6, 425
 measures, 281, 389, 428
 recycled materials, 246, 260–1

467 Index

- recycling, 240, 242–3, 245, 260–1, 282, 284, 286, 288, 290
 industry, 243, 262
 and recovery, 48, 239–43, 247, 259, 261, 272
 waste, 242, 255, 261–2
- redevelopment, 121, 261, 274, 299, 303
- redress, judicial, xviii, 20, 54, 63, 74, 335, 339, 402, 414, 416
- refineries
 non-ferrous metals, 133, 189, 211
 oil, 100, 189
- reforms, 19, 31, 49, 125, 202, 247, 338, 340, 414
 economic, 2, 308, 362
 institutional, xviii, 36–44, 47–51, 59, 70, 201, 428
 judicial, 55–6, 59
- refrigerators, 243–9, 256
- regional collaboration, 153, 157, 180–2
- regional cooperation, 152, 180, 199
- regional development, 134–5, 148, 240, 246
- regional planning, 43, 202
- regions, 4–11, 97–9, 117, 163–4, 180–1, 208, 227–8
 administrative, 61, 96, 127, 139, 181, 206, 244, 269
 autonomous, 37–8, 45, 87, 113, 156, 316, 408
 geographical, 58, 358, 368
 key, 86, 117–18, 152–3, 166, 169, 180–5, 155
 rural, 3, 10, 37, 198, 210, 216, 224, 272 *see also individual regions.*
 sensitive, 132, 144, 148, 352
- registration, 49, 244, 246, 269, 349, 396–407
- regulations
 local, 1, 15, 18, 26, 32, 35, 142, 179, 310
 state, 1, 15, 22–3, 76, 211, 216–17, 255, 269, 366
- regulators, 23, 49, 64, 95, 166, 188–9, 247
- regulatory agencies, 62, 67, 227–8, 264, 287, 337, 409–18
- regulatory approach, 82, 187, 198, 240, 362, 391
- regulatory control, xvii–xviii, 52–3, 152, 175–6, 194–6, 243, 270–1, 279
- regulatory mechanisms, 18, 149, 152, 163, 238, 275
- regulatory monitoring, 53, 188, 212, 227
- regulatory supervision, 104, 106, 108, 124, 128–9, 157, 192–3, 233, 279
- reliability, 127, 136, 237, 282, 284, 346
- relocation, 211–22, 258, 275, 278, 285–6, 379, 421
 industrial, 9, 274, 299–300
- remedial measures, 96, 155, 191, 282, 301, 409
- remediation, 62–3, 91–2, 275, 278–302, 306–7, 402, 415–16, 423–4
 contaminated sites, 278, 282, 299
 costs, 91, 299, 302, 304
 plans, 63, 296, 299–300, 303, 415
 site, 292, 296, 299, 301, 303–4
- remedies
 civil, 55, 66–9, 80, 310, 329, 414
 judicial, 141, 310, 312–13, 328, 334, 336, 338, 342
- removal of obstructions, 327–8, 333, 414, 416
- reports
 annual, 34–5, 59, 76, 88, 280
 appraisal, 54, 315–19, 325, 327, 330, 398–9, 404–21, 428
 assessment, 49, 282, 292, 294, 296, 298–300, 315–16, 318, 331
 court-prepared mediation, 253, 334–5, 427
 inspection, 132–3, 220, 228, 315–17
 mediation 253 *see mediation, reports.*
 monitoring, 305, 316, 347–54, 372, 396
 on-site inspection, 316
- reputation, 63, 83, 327–8, 384
- requirements
 compulsory, 115, 160, 249, 268, 271
 legal, 134, 147, 169, 244, 269, 342–3, 350, 353
 standing, 340, 404, 407
 technical, 144, 208, 343
 three-simultaneities, 43, 45, 91, 120, 124, 132–3, 207, 254, 285, 426
 threshold, 21, 183, 268, 370, 378, 381, 390–1
- reserves, nature, 3, 49, 68, 104, 117, 148, 158
- Reservoir Management Committee 66, 367 *see RMC.*
- reservoirs, 197, 209, 211, 317, 367–87, 412, 415
 local, 65, 251, 367, 387
- residential areas, 3, 133, 142, 390
- residential premises, 179, 256, 297, 299, 301, 333, 340, 342, 421
- residents, 100–1, 142, 147, 257–9, 263–4, 341–3, 347
 affected, 147, 259, 263, 395
- residual oil, 171
- resistance, 115, 130, 134–9, 264
- resources
 adjudication, 59–60
 conservation, 17, 19, 28, 89
 and environment, 56, 59, 61, 65–6, 69, 344, 365, 408, 428
 financial, 20, 75, 109, 312, 397, 410
 fishery, 51, 202, 365, 367
 judicial, 61, 69, 403, 410, 413, 427–8
 land, 10, 172, 229, 257, 262–3, 274–5, 279, 283–4, 298
 recovery, 47, 242, 262
 water, 7–8, 46, 48–9, 133–4, 201–2, 209, 221–9, 400–1
- responsibility
 criminal, 22
 primary, 103, 145, 173, 242, 253–4, 256, 280
 target responsibility system, 37, 44, 86, 156, 198, 281
- restoration, 28, 63, 197, 209–10, 327–9, 392–414, 417–27
 costs, 103, 329, 405, 418, 422, 428
 fees, 66, 70, 405, 414, 416–20, 422
 off-site, 328, 416, 420
 on-site, 416, 419
 plans, 411, 414, 417–18, 420
 third-party, 329, 406, 417–18
- retrials, 57, 60, 316, 322, 331, 355, 405, 412
- review, 50, 53, 60, 126–7, 246, 343–4, 346, 350
 judicial, 147–8, 337–47, 350, 355, 357–9
 legality, 148, 351–2
 panels, 139–41
- rice
 cadmium-tainted, 9, 273, 277, 287
 contaminated, 113, 287–8
 output, 80, 287
 paddies 80 *see paddies.*
- rights, 49, 60, 63, 146–7, 337, 340, 352–3, 412
 and interests, 21, 160, 338, 341–2, 352–3, 357, 388
 land-use 21 *see land, use, rights.*
 lawful, 21, 65, 324, 338, 403
- risk assessment, 133, 199, 224, 281–2, 291–2, 297–302, 305–6
- risk intervention values, 292, 294–5, 297, 299
- risk management, 175, 210, 226
- risk screening values, 292–7
- risks, 91, 210, 224–6, 281–2, 292–5, 297, 323–4, 334, 414–15
 environmental, 126, 131, 133, 175, 232, 235, 264
 health, 259, 262, 277, 279, 292, 297

- risks (cont.)
 high, 7, 14, 264, 266, 286, 294–5
 potential, 221, 253, 357, 420
- river basins, 40, 45–6, 117, 195, 198–200, 204–6, 209–10
 major, 194, 197, 201, 204
 water protection, 43, 49, 201–2
- rivers, 80–1, 194, 197, 199–201, 204, 209–10, 225–6,
 319–20, 365, 374, 400, 412–13
 contaminated, 320, 400, 411, 418–19
 key, 199, 206, 228
 and lakes, 8, 199, 206, 209–10, 289
 major river basins, 5, 194, 197, 201, 204 *see also*
individual rivers.
- roads, 9, 150, 170–2, 179, 187, 297, 302
- routine monitoring, 45, 246
- rubbish
 dumping, 218, 409
 dumps, 11–13, 221, 239, 409
- rules, 19–22, 24, 26, 57–9, 144–6, 236–7, 308–14
 administrative, 1, 15, 22–8
 special, 20, 24–5, 308, 312, 326, 394
- run-off, 244, 286, 288
 agricultural, 94, 210, 217
- rural affairs, 51, 280, 283–4, 289, 291, 295–6, 305
- rural areas, 3, 194–5, 216, 220, 224, 261, 273
- rural collective bodies, 174, 295–6
- rural construction, 233, 240, 245, 337
- rural development, 50, 280, 283–5
- rural households, 216, 324, 326–7
- rural regions, 3, 37, 198, 210, 216, 224, 272
- safe disposal, 11–12, 239, 241, 244–69, 425
 MSW (Municipal Solid Waste), 12, 239, 256–7
- safe treatment, 215, 239–40, 254, 290, 364, 420
- safe use, 203, 211, 280, 285, 291, 293–6, 301
- safety, 12, 100, 102, 220–1, 224–6, 262–3, 285, 288, 292
 drinking water, 196–7, 220–1, 223–4, 227, 232–3, 351, 402
 environmental, 102, 185, 264, 279
 food, 9, 204, 215, 218, 273, 277, 289, 292
 and health, 12, 211, 224–6, 239, 262, 275, 285
 food and drug, 21, 67, 408
 public, 52, 420
- salts, 210, 252
- samples, 104, 189, 192, 229, 250, 288, 346–54, 396–422
 collection, 346, 353–4
- sanctions, 18, 43–6, 83–4, 98–115, 128–9, 152–3, 192–3,
 229–31, 353–4, 361–2, 426
 administrative, 190–3, 229, 233, 236, 346–7
 administrative disciplinary, 139–40, 229, 250
 criminal, 234–5, 267, 360–2, 376–7, 382–4, 387, 390–1
- sanitary landfills, 246
- Sannong, 398–403
- saplings, 379
- scenic spots, 148, 158, 352
- scenic zones, 3, 49, 68, 419
- schools 10, 187, 258, 285, 297–9, 302, 331, 390 *see also*
education.
- scientific basis, 121, 140–1, 144, 284, 421
- scientific evidence, 66–76, 128, 144, 151, 313
- scrutiny, environmental, 84, 106, 116, 135, 139, 189, 199
- sea, 50, 117, 121–35, 149, 169–71, 400–1, 411
- sealing-up, 43, 104, 157, 191, 343
- secret discharges, 108–9, 347, 382, 397, 415, 418–19
- secrets, state, 93, 126, 141, 277, 305
- security, public, 1, 53, 65, 102, 171, 363, 386
- seepage, 104, 107–8, 212, 222, 230, 378, 409
 pits, 378, 409
 wells, 104, 107–8, 222, 230, 378
- self-monitoring, 227–8, 230
- sentencing, 235, 368, 370, 379–91
- SEPA (State Environmental Protection Administration),
 22–3, 42, 73–4, 98–114, 129–30, 132, 134–6,
 140–4, 339
- serious environmental pollution, 251, 267, 366, 378–9,
 381–5, 387, 391
- serious injury, 368, 372
- serious pollution accidents, 361, 367, 371, 375, 377
- service providers, 126, 238, 244, 247, 256–7, 417
- services, 55, 92, 96, 118, 173–4, 216, 220, 247–56, 260–1
 medical, 297
 public, 297, 373
- settlement agreements, 236–7, 301, 335, 402, 427–8
- sewage
 household, 5, 216–18, 324
 industrial, 283, 289
 irrigation, 5, 213, 218, 276–7, 290
 systems, 51, 381–2, 395, 400
- Shaanxi, 34, 38–9, 67–8, 87, 113, 156, 288
- Shandong, 34, 38–9, 41, 87, 156, 180, 290, 315, 327, 427
- Shanghai, 3, 39, 41, 46, 170, 364–5, 370
 EPB, 341–3, 349, 370, 373
- Shanxi, 34, 38–40, 46, 65, 87, 113, 156, 180–1, 367
- Shenyang, 98, 115
- Shenzhen, 3, 80, 98, 109, 115, 170, 301
- ships, 206, 220, 232, 251, 261, 366, 411
- shops, 238, 244, 256
- Sichuan, 38–9, 87, 156, 267, 288, 296, 367, 372, 387
- silver, 339, 383
- sites, 9–11, 172, 255, 259–61, 265, 276–7, 284, 293,
 298–304, 317, 409, 420–3
 construction, 150, 153, 156, 167, 172, 187, 192
 contaminated 253 *see* contaminated sites.
 investigation, 281, 297–303
 remediation, 292, 296, 299, 301, 303–4
 toxic, 9, 274, 277, 300–2, 304
- skills, 20, 72, 335, 358
- skin
 contact, 10, 194, 204, 274, 277, 292
 rashes, 10, 274
- slag, 52, 238, 272, 290
 chromium, 398
- sludge, 69, 91, 215, 219, 266, 287, 289–90, 422
 industrial, 66–70, 104, 413
 toxic, 267, 387, 413
- smelting, 216
 non-ferrous metals, 284, 286, 297
- smog, 2–3, 151, 158, 176, 180
- smoke, 152–3, 161, 167, 174, 315–16, 396
- smuggling, 13, 22, 53, 361, 365–6, 370–1, 374–7
- SO₂ 2 *see* sulphur, dioxides.
- social order, 52, 65, 102
- social organizations, xviii, 59, 63–5, 70–1, 404–5, 409, 412
- social public interest, 21, 67–8, 392, 415, 427–8
- social stability, 1, 14, 71, 100, 103, 356
- social unrest, 14, 71, 100, 194, 357, 427
- socio-economic development, 16–17, 28, 89–90, 122–3,
 149, 153, 160, 203, 360
 plans, 47, 85, 89, 155–6, 198, 245, 280
 sustainable, 90, 197, 238
- softshell turtles, 318–19

469 Index

- soil, 9–11, 217–18, 273–4, 276–83, 293–306, 409–10
 contaminated, 293, 303, 417
 contamination, 9–28, 252–3, 262–3, 273–83, 285–8, 291–306
 environment, 10, 276, 284, 292, 305, 307
 erosion, 2, 420
 and groundwater, 62, 69, 212, 287, 295, 303, 413
 pollution, 10–11, 274–83, 289–93, 296–9, 306–8
 prevention, xvii, 23, 36, 275, 279–81, 296, 306–7
 quality, 278, 281, 290, 295
 solid waste, 51–2, 112, 211–12, 243–6, 248–51, 254–6, 260–1, 269–71, 365–6, 371, 375–7
 disposal, 69, 112, 249, 254, 288
 import, 51, 269–71
 industrial, 211, 240–55, 299, 325–6
 prevention and control of pollution by, xvii, 81, 238, 247, 309
 solvents, organic, 169–70
 Songhua River, 101, 200, 204–5, 225–6
 soot, 2, 99, 189, 266, 350–1, 396–421
 coal, 317
 SPC (Supreme People's Court), 24–6, 53–67, 74–5, 311–12, 314–16, 322–3, 341–5, 393–404, 406–7, 411–12, 414
 judicial interpretations, 332, 380, 407
 special protection, 3, 158, 178, 199, 221, 241, 336
 special rules, 20, 24–5, 308, 312, 326, 394
 special zones, 174, 217, 292, 295
 specialized environmental divisions, 56–7, 410, 414
 specialized plans, 28, 134–6, 138–40, 149, 228
 special-purpose forestland, 368, 379
 SPP (Supreme People's Procuratorate), 24–5, 57, 70, 65–7, 361, 377–81, 383, 393, 408
 interpretations, 267, 377, 379–81, 383, 387, 389–90
 stability
 social, 1, 14, 71, 100, 103, 356
 transverse, 219
 staffing, 43–4, 84–5, 293
 stakeholders, 32–3, 85, 96, 144, 158, 160, 164, 277, 392, 427
 standards, 37–8, 42–3, 107–8, 158–60, 202–3, 217–18, 247–8, 279, 281–3, 289, 293
 ambient air quality, 3, 158–9, 162, 166, 188
 discharge, 107, 202, 206, 215, 218, 228, 230, 347
 effluent discharge, 109, 201, 208–9, 217
 emission, 54–68, 157–66, 168, 170–1, 178, 182, 193
 environmental quality, 11, 86, 98, 203, 247, 276, 282
 local, 67–8, 110, 112, 206, 281, 311, 383
 national, 206, 221, 253, 281, 323, 364
 product, 158, 160–1
 quality, 158, 161, 168–71, 282
 state, 233, 237, 287, 311, 313–14, 316, 406, 421–7
 technical, 120, 122, 246–7, 281–2
 water quality 5 see WQS.
 standing, 19, 21, 80, 83, 338–41, 392–9, 402–8
 lack of, 339, 406
 procuratorates, 393, 407–8, 410
 requirements, 340, 404, 407
 state assets, 21, 67, 373, 408
 state authorities, 215, 228, 240, 254, 281
 State Council, xvii–xviii, 22–4, 27–9, 37–50, 86–7, 97–8, 113–14, 134–6, 164, 180, 264–5, 277–8
 State Environmental Protection Administration 22 see SEPA.
 state interest, 21, 69
 state personnel, 363, 366, 371, 373–4, 391
 state regulations, 1, 15, 22–3, 76, 211, 216–17, 255, 269, 366
 state secrets, 93, 126, 141, 277, 305
 state standards, 210, 215, 233, 237, 311, 313–14, 316, 421
 stationary sources, 23, 98–9, 157, 160, 209
 statutory duties, 67–8, 250–1, 343–5, 347–54, 397, 408–25
 steel, 52, 100, 110, 150, 167, 169, 189, 206, 213–14, 332
 stockpiling, 284, 293, 398
 stone-processing enterprises, 355, 426
 storage, 172, 174, 212, 223–30, 243–4, 246–65, 268, 270, 284, 425
 sites, 172, 269
 storm drains, 235, 320, 370
 straws, crop, 12, 169, 173–4, 180, 239
 Su Yaohua, 345, 351
 subsidies, 92, 117, 263, 331
 financial, 117, 174, 259
 suburban areas, 12, 150, 179, 239, 283
 Suiyu Highway, 322
 sulphur, 54, 91, 168, 214, 315
 dioxide, 2–4, 48–54, 97–113, 150, 152–4, 164–5, 173–4, 188–9, 396–421
 emissions, 107, 167–8
 supervision, 29–34, 37–9, 50–1, 87–8, 93–5, 164, 197–8, 207, 214, 229–30, 246–7, 280, 374, 426
 central, 39, 45
 environmental, 38, 45, 88, 355, 371, 373–4, 389, 426
 external, 88, 207
 and inspection, 37–8, 215, 268
 legal, 21, 53, 65–7, 408
 and management, 42, 49, 79, 154, 424
 public, 82–3, 88, 94–5, 164, 166, 207–8
 regulatory, 104, 106, 108, 124, 128–9, 157, 192–3, 233, 279
 teams, 38, 374
 supervisory authorities, 39, 138, 171–2, 265
 supervisory bodies, 88, 157, 182, 250
 Supreme People's Court 22 see SPC.
 Supreme People's Procuratorate 24 see SPP.
 surface water, 5–7, 194–5, 197, 203–4, 210, 224, 236
 pollution, 194, 211
 quality, 5–7, 413
 surveys, 10, 50, 175, 218, 275–83, 350
 national, 10, 216, 274–93, 304–5
 suspension of production, 105, 107–9, 191–3, 228, 230, 234, 343–4
 suspension of water supply, 65, 101, 367, 369, 374
 sustainability, 30, 138, 337
 sustainable development, 17, 40, 77, 89–90, 123, 169
 long-term, 2, 17, 84, 95, 199, 337
 principle, 78, 90
 Suzhou, 3, 9, 277, 362–4
 Suzhou Industrial Park, 190
 tadpoles, 66, 308, 313–14
 tailings, 222, 238, 287–8, 290, 409–15
 Taixing Jinhui Chemical, 404–18
 Taizhou, 402–5, 418
 Tangshan, 98
 tanneries, 104, 110, 115, 213–14, 284, 286, 400–2
 target responsibility system, 37, 44, 86, 156, 198, 281
 targets
 abatement, 29, 86–7, 97, 156, 164–5, 183

470 | Index

- targets (cont.)
 achievement, 86, 198, 281
 air quality improvement, 156–7, 163
 national, 37, 47, 167, 183, 204, 258, 281
 pollution abatement, 37, 45, 86, 165, 198
- taxes, 109–10, 112, 164, 307
 environmental, 78, 83, 99, 111–12, 120
- technical assessment, 127, 140, 339
 technical capacity, 126–7
 technical guidance, 148, 271, 282, 292, 295, 299, 350, 352–3
 technical requirements, 144, 208, 343
 technical standards, 120, 122, 246–7, 281–2
 technological innovation, 42, 81, 110, 119, 184, 213, 241, 261
 technological policies, 85, 89, 96, 241, 245
 television, 118, 146, 187, 243–9, 256, 371
 temporary measures, 191, 403
 Tengger Desert, 75, 385, 406
 textiles, 100, 167, 206
- thermal power
 generation, 100, 163, 189, 214
 plants, 129, 160, 168, 211
- third parties, 114–16, 227–36, 296, 387, 422–3
 qualified, 232, 253, 355, 422
- third-party restoration, 329, 406, 417–18
- three-simultaneities requirement, 43, 45, 91, 120, 124, 132–3, 207, 254, 285, 426
- threshold requirements, 21, 183, 268, 370, 378, 381, 390–1
- Tianjin, 3, 7, 40, 46, 61, 87, 112, 156, 165, 180–1
 High Court, 62, 323
- Tianma, 37, 367
- Tibet, 39, 87, 156
- timely measures, 225, 299, 385, 390
- Ting River, 234–5, 370–2
- tort, 20, 60, 321–2, 327–8, 332, 410, 412
 environmental, 310–11, 313, 318–20, 322–3, 326–8, 332, 336
 liability, 20, 62, 92, 236, 310–11, 325
 litigations, 25, 312, 325, 392
- tortfeasors, 318–21, 323–4, 330, 333, 402, 422
 joint, 320, 422–3
 multiple, 309, 319, 323, 421
- total-control
 quotas, 106–8, 192, 208, 215, 288, 320
 targets, 97, 138
- total discharge quotas, 97, 202, 209–15, 227–8, 230, 323
- total emission control, 97, 152, 157–65, 183
- total emission quotas, 96–7, 163, 165–6
- total pollution control, 96–9, 113, 120, 149
- tourism, 134–5, 140, 222, 297
- township level, 31, 37, 196, 202, 214, 216, 379
- toxic air pollutants, 175, 382
- toxic contamination, 11, 220, 226, 251–2, 265, 301, 304, 374, 418
- toxic discharges, 7, 230, 286, 367, 369
- toxic sites, 9, 274, 277, 300–2, 304
- toxic sludge, 267, 387, 413
- toxic substances, 108, 212, 219–20, 225, 378–9, 385–6
- toxic waste, 212, 231, 321, 326, 365, 398–423
 disposal fees, 404, 423
 generators of, 405
- toxic wastewater, 226, 230–1, 367, 380, 385–7
- toxicity, 240–55, 264, 266, 320, 323
- trading
 emissions, 18, 163–5, 209
 of pollution discharge allowances, 99, 113, 120
- traffic accidents, 311, 322
- transfer of land-use rights, 67, 298, 408
- transit, 244, 271
- transparency, 76, 83, 88, 101, 166
- transport, 174, 239, 244–56, 260, 268–9, 293, 297, 371
 costs, 174, 251
 public, 170, 260–1
- transportation, 140, 256–7, 260, 265, 267–9, 271
- treatment, 5–11, 80, 91–2, 214–16, 219–20, 230, 244–68, 275–9, 331–2, 364–5, 402–3
 centralized, 209–14, 216
 comprehensive, 112, 169, 216, 275, 277
 costs, 13, 418
 emergency, 10, 274, 300
 facilities, 111–12, 132, 210, 212–16, 230, 262, 382
 construction, 216
 measures, 232–5, 389
 safe, 215, 239–40, 254, 290, 364, 420
- trees, 54, 169, 172–3, 316, 335, 417, 424
 fruit, 54, 308, 325–6
 young, 368
- trial implementation, 18, 23, 25–6, 57–8, 78–80, 96, 121
- trial use, 76, 79, 121, 185–6, 189, 282, 294, 297, 411
- tribunals, environmental, 55–6, 59, 62, 393–5, 410–12
- truck drivers, 251, 383
- trust, 90
 mutual, 263
- truthfulness, 145, 227, 237
- Tuo River, 367, 372
- turtles, 318–19, 331
- uncontaminated land, 279–80, 285
- unlawful acts, 191, 230, 232–3, 337, 350, 352, 358, 424–5
- unlawful discharges, 230, 314, 402
- unlawful omissions, 21, 355, 361, 424
- unlawful property, confiscation, 343–4
- unloading, 172, 394
 stations, 219, 226
- unrest, social, 14, 71, 100, 194, 357, 427
- untreated industrial wastewater, 40, 213, 406, 418
- urban construction, 35, 134–5, 140
- urban development, 121, 261, 286, 298
- urban planning, 168, 298
- utilization, comprehensive, 79, 110, 118, 174, 216, 241, 291
- values
 risk-intervention, 292–5, 297, 299
 risk-screening, 292–7
- vehicle emissions, 26, 52–3, 150, 157, 171
- vehicles, yellow-label, 53, 165, 181
- veterinary drugs, 51, 289, 291
- victims of pollution, 54–5, 74, 236–7, 308–10, 313–30, 334–6, 421–2
- violation records, 76, 94, 404
- VOCs (Volatile Organic Chemicals), 150, 153–4, 167, 169, 173–4, 178, 180
- volatile phenol, 66, 113, 367, 382
- waste
 animal, 12, 173–4, 202–16, 238–9, 244, 270, 282, 289, 417

471 Index

- chromium, 11, 251–60, 401
 clinical 12 *see* clinical waste.
 construction, 12, 172, 238–9, 244, 249, 260
 disposal, 12–13, 243, 255, 257–63, 268–9, 272–98
 generators, 11, 239, 244, 255, 266, 272, 321, 387–91
 import, 22, 51–2, 240, 246–7, 269–71
 imported, 22, 52–3, 269–71, 370, 377
 incineration, 175, 247, 256, 259
 packaging, 12, 238, 241, 256, 290
 prohibited for import, 270, 370, 375
 recovery, 79, 245–64
 recycling, 242, 255, 261–2
 reduction, 240–1, 245–7, 249, 256, 259, 272
 smuggling, 13, 22, 53, 361, 366, 370–1, 374–7
 crime, 22, 53, 361, 365–6, 370–1, 374–7
 sorting, 246, 249, 256, 260, 263
 waste management, 196, 240, 244, 246–7, 249, 272
 hierarchy, 239–40, 259, 262, 272
 waste metals, 240, 270–1
 waste oil, 105, 218, 232, 268
 waste operators, 244, 260, 387, 391
 waste paper, 52, 270, 370
 waste plastics, 52–8, 271–2, 282, 288, 376
 waste-to-energy incinerators, 259
 wastewater, 65–6, 211–22, 226–7, 325–6, 347, 367–87, 419
 acidic, 235, 370
 collection tanks, 235, 370
 discharge outlets, 43–8, 76, 213, 221, 228, 232, 348
 discharges, 201–2, 211, 213–14, 229–31, 236, 346–7
 industrial, 94, 194, 210–11, 213, 222, 370, 386, 406
 municipal, 5, 197, 210–14, 218
 toxic, 226, 230–1, 367, 380, 385–7
 treatment, 62, 91, 199–216, 266, 410
 facilities/plants, 62, 65, 201–19, 229–30
 fees, 111, 215
 water, 1–2, 6–7, 201, 203–32, 290, 411, 419–20
 ballast, 218–19, 232
 chromium-contaminated, 11, 251
 consumption, 214, 219
 contaminated, 65–6, 71, 239, 251, 274, 317, 367, 417
 contamination, 40, 196, 204, 217–18, 221, 314, 372
 drinking 5 *see* drinking water.
 ecosystem, 197, 202, 209
 environment, 198, 201–2, 210
 Grade V, 8, 205
 pollutants, 98–9, 112, 206, 208
 pollution, 1–2, 54–66, 196–7, 199, 212–15, 217, 232,
 236–7, 289, 364–5, 400–1, 411–12
 control, 48, 196, 198, 201–3, 215, 219, 227, 229
 incidents, 196, 201, 225–7, 233–5, 312
 prevention, xvii, 16, 36, 196, 200–2, 206, 415
 quality, 6, 44–6, 194–9, 207–9, 222–5, 227–8
 improvement, 197, 207–8
 irrigation, 218, 289–90
 local, 199–223
 standards 6 *see* WQS.
 resources, 7–8, 46, 48–9, 133–4, 201–2, 209, 221, 225–6,
 228–9, 400–1
 shortages, 2, 5, 8, 215, 218
 sources, 224, 232, 388
 suppliers, 224–5, 227, 233
 supply, 8, 50, 65–6, 101, 223–4, 232–3, 365, 398, 415
 centralized, 223–4, 379
 companies, 66, 224, 232, 367, 401
 sources of drinking, 197, 216, 372, 386, 403
 suspension, 65, 101, 367, 369, 374
 surface, 5–7, 194–5, 197, 203–4, 210, 224, 236
 wells, 210, 212, 222–3, 229, 324, 409
 wetlands, 2, 60, 117, 172, 200, 209–10, 223, 296, 412
 whistle-blowers, 93, 166, 307
 WHO (World Health Organization), 3, 14, 151, 252, 288
 wind, 30, 394
 turbines, 318–19
 withdrawal, applications, 340, 349, 356, 381
 workers, 10, 230, 274–300, 364, 382, 401
 construction, 9–10, 274, 300
 World Health Organization 2 *see* WHO.
 WQS (Water Quality Standards), 5, 97, 201–3, 206, 290
 Wu Guojin, 330
 Wu Shengli, 371
 Wu Shuqin, 381
 Wu Yi, 347–8, 354
 Wuhan, 9, 41, 98, 277, 301–2
 Wuhan Heshan site, 301, 304
 Wuhan Land Reserve Centre, 301
 Wuxi, 56, 74, 94, 115, 323, 348, 394–5, 412, 419
 Xia Chunguan, 341, 349, 352–3
 Xia Yong, 251–67, 381–7
 Xiaoshan
 District Court, 147, 342, 352
 EPB, 147, 341–2, 349, 352
 Xie Zhenhua, 101, 129
 Xie Zhijin, 405–16, 420
 Xinglong village, 11, 251
 Xinjiang, 39, 87, 156, 288, 290, 334
 Xiuwen EPB, 76–7, 348–9, 354
 Yancheng, 87, 374
 Yang Junwu, 65, 367, 387
 Yangtze River, 7–8, 46, 61, 63, 69, 201, 204–5, 413
 Delta, 3–4, 150, 154, 159, 161, 180–1, 183, 215, 217
 Yanjing Village Group, 311
 yellow-label warnings, 228
 Yellow River, 7–8, 46, 65, 194, 200–4, 364
 Yellow River Water Diversion Ditch, 65–6, 387
 yellow-label vehicles, 53, 165, 181
 Yexie Township Government, 320–1, 329
 Yongda, 328
 Yu Mingda, 67, 313–14, 322
 Yuncheng City, 65, 367
 Yunguang Chemical, 267, 387
 Yunnan, 34, 38–9, 69, 73, 251, 392, 394
 Zhang Changjian, 325–6, 329, 331, 336
 Zhang Wenbo, 341, 345, 349
 Zhang Xiaoyan, 148, 341, 349, 351–2
 Zhejiang, 39, 46, 66–9, 113, 200, 205, 314, 332,
 401–2, 413
 High Court, 60, 66, 314
 Zhenhua Co, 420–1
 Zhou Kun, 341, 349
 Zhu Zhengmao, 334, 395
 Zijin Mining, 234–5, 370–1, 373, 385
 Zijin Mountain, 235, 370, 373
 zinc, 9, 115, 273, 277, 287–8, 380, 383, 422