

The Fukushima Nuclear Disaster and Civil Actions as a Social Movement

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Abstract: In addition to a citizen initiative to launch a criminal lawsuit against Tepco and Japanese state executives over their responsibility for the Fukushima nuclear disaster, more than thirty collective civil actions have been launched across the country. Thus far, thirteen verdicts have been handed down, with a large majority of courts ruling against Tepco and the state. Despite disappointingly small amounts of compensation, these verdicts carry important sociological significance as they challenge the government's efforts to restart nuclear power plants. This article provides an overview and typology of the lawsuits, showing that these civil actions build on a legacy of social movements organized by networks of lawyers and activists.

Keywords: Fukushima, Collective Lawsuits, Nuclear Disaster, Social Movements, Compensation

Like the many industrial disasters that have marked the history of modern and contemporary Japan, the nuclear disaster of March 2011 resulted in much litigation. By the ninth anniversary of the catastrophe in 2020, nearly four hundred individual civil actions, and at least thirty known cases of collective civil actions, along with two collective administrative lawsuits, have been launched across the country. The total number of plaintiffs exceeds twelve thousand. Thirteen district courts have already handed down judgments, a large majority of them in favor of

the plaintiffs against the Tokyo Electric Power Company (Tepco) and the Japanese state. The cases are now pending in appeal.

There has been no shortage of literature devoted to the politics of disaster redress since Fukushima, from such perspectives as political science, sociology, and scientific studies (e.g. Hasegawa 2011, Fujigaki et al 2015, Kimura 2016, Mullins, Nakano et al 2016, and Aldrich 2019, Polleri 2019). But despite interest in the various social mobilizations that arose in the aftermath of the disaster, thus far, with the exception of newspaper articles, there has been very little analysis of the collective civil actions seeking compensation or of related fundamental issues.

In addition to these civil actions (*minji soshō*), a group of 15,000 Fukushima citizens sought criminal prosecution of the state and Tepco for the nuclear disaster as early as 2012. The prosecutors reduced the number of defendants from twenty to three, all top Tepco executives. In its September 2019 verdict, the Tokyo District Court concluded that there was insufficient evidence to convict them. The case is now pending on appeal with little chance of a reversed verdict. In a recent Asia-Pacific Journal article on the case and one of the rare in-depth analyses of such lawsuits, Johnson, Fukurai and Hirayama (2020) concluded: "The trial and the criminal processes that preceded it revealed many facts that are proving useful to plaintiffs in their ongoing civil lawsuits with Tepco and the Japanese government."

This essay endorses this conclusion and

provides an overview of the civil action lawsuits. The civil cases have made it possible to mobilize Fukushima victims to pose critical questions about the role of the state in the decisions that provoked the nuclear disaster as well as to challenge subsequent state policies. Following existing scholarship on the Fukushima nuclear disaster and the literature on Japanese law and society, I draw on interviews with representatives of plaintiffs' groups and first-hand documents they provided. I highlight the difficulties in the process of litigation, and emphasize that despite the low amounts of compensation, the Fukushima lawsuits are significant for contemporary Japan, as well as for other lawsuits over industrial and techno-scientific damage elsewhere. I show that these legal initiatives build on a legacy of collective lawsuits that have developed in Japan over the last 50 years. The next two sections introduce important points about the legal and political contexts.

Courtesy of Akiko Morimatsu

1. The Legal Context

For a long time, discussion in the English-language literature on litigations in Japan has focused on the relatively low rate of legal battles (in particular compared to the U.S.), and cultural or institutional barriers as the main possible causes for this. In a seminal essay, Japanese legal sociologist Kawashima Takeyoshi (1963) posited that rather than judicial decisions based on universal standards, Japanese people had a cultural preference for informal mechanisms of dispute resolution. Kawashima nevertheless expected that Japanese society would become more litigious as modernization progressed. The question of modernity aside, this prophecy proved true as the rate of litigation significantly increased, especially in the 1990s.

Previously, many Japanese academics had drawn on Kawashima's culturalist argument, without attending to his view that litigation was likely to increase with modernization. The result was a legal version of the *Nihonjinron* thesis on the Japanese, i.e., an emphasis on culturally homogenous Japanese valuing consensus and harmony, hence a propensity to eschew litigation. This fantasy was broken by Frank Upham's groundbreaking article on the four big pollution lawsuits (1976; see also Upham 1987, 2005), and John Haley's essay, "The myth of the reluctant litigant" (1978), which analyzed statistics that included the evolution from late Meiji to the mid-1970s shifts in the number of judges, public procurators and private attorneys, as well as the percentage of successful applicants to the national law examination. Haley's article has often been taken to show that access to Japanese courts was consciously restricted in a variety of ways, such as keeping the number of legal professionals low (see also Haley 1982, 1991).



Plaintiffs meeting after a court meeting (at Osaka City Central Public Hall), 23 May 2019.

However, this claim of low access to the judiciary is no longer relevant. Ginsburg and Hoetker (2006) have shown that, thanks to an expansion in the Japanese bar and more streamlined procedures for accessing the judiciary and launching a suit, from 1986 to 2001 civil litigation increased by approximately one third, although most of that increase was concentrated in urban prefectures, particularly Tokyo. Foote (2014: 174-180) further shows that several important reforms have improved the legal environment for those seeking redress. First, the amendments to the Code of Civil Procedure in 1996 and the Information Disclosure Act (enacted in 1999) have expanded civil access to government information, which is crucial for social movements. Second, the Justice System Reform Council, which was launched in 1999, initiated a reshuffle of the entire judiciary. The changes included greater flexibility and quicker procedures for cases involving many victims, as well as new provisions of legal assistance, and various efforts to increase both the size and quality of the legal profession.

As a result of these reforms, the number of judges and prosecutors increased from, respectively, 2,143 and 1,363 in 1999, to 2,774 and 1,976 in 2019, while the number of lawyers jumped from 16,731 to 41,118 (Nichibenren 2019). The number of lawyers did not reach the target of 50,000 by 2018, as announced in the final report that the Justice System Reform Council released in 2001 (Ginsburg and Hoetker: 38). But it is worth noting that in the meantime, the female to male ratio has more than doubled for lawyers (from 8.4 to 18.8%) and prosecutors (from 8.4 to 25%), with women making up 26.7% of all judges (ratio not given for 1999). These changes contrast sharply with the persistent glass ceilings that women continue to face in other professions.²

Consequently, if we follow Foote (2014: 180), we can assume that although the reforms remain incomplete, and they do not guarantee

success in litigation, they have facilitated access to the judiciary and the work of Japanese “cause lawyers.”³ The following sections will explore the relevance of these developments to the civil actions launched by the victims of the Fukushima nuclear disaster.

2. The Political Context of Lawsuits

The independence of the Japanese judiciary has been the subject of a long and heated debate, especially when compared to its American counterpart (Haley 1998, Johnson 2002, Johnson 2002, Upham 2005, Ramseyer and Rasmusen 2003). A discussion of the topic goes beyond the scope of this article. Suffice it to say, for the problem at issue here, the Fukushima litigations necessarily have political implications, even though they may not be explicitly stated in the lawsuits’ objectives. Unlike former Prime Ministers Kan Naoto and Koizumi Jun’ichirō, who have become staunch opponents of nuclear energy, Prime Minister Abe Shinzō has expressed a desire to restart as many nuclear power plants as possible. Regardless of what electricity generation will look like in the future, Japan will have to deal with the legacy of the Fukushima Daiichi meltdown. According to the government, it will take at least another thirty or forty years to repair the entire site (Keizai sangyōshō 2019), or up to 200 years according to other estimates (Perry 2015). Robots have been used to inspect the damaged reactors, but the extremely high radiation levels have rendered them useless for cleanup operations (McCurry 2017).

The 2020 Olympic Games—now postponed due to COVID-19—have been presented to the Fukushima region as an opportunity to restore national confidence and revive economic growth. The aura of positivism associated with the Olympic Games casts a modest veil over the tremendous tasks to be accomplished at Fukushima Daiichi for the next 40 years at the very least (Jobin 2019). Meanwhile, Fukushima

Daiichi and its surroundings have become a huge storage area for radioactive waste. National government spokespersons understate the risk of irradiation in the Fukushima region and subsequent impacts on Japan's food supply (Kimura 2016). A basic problem is that under the neoliberal premise of self-responsibility (*jiko sekinin*), the burden of recovery tends to be placed on the victims themselves or on the most vulnerable, who are forced to show their "resilience" (Scoccimaro 2016, Ribault 2019, Asanuma-Brice 2020, Polleri 2019, Topçu 2019, Kojima forthcoming).

A central issue in Fukushima civil actions is the displacement caused by the nuclear disaster and the persistent radiation background. According to state data, such as those published by the Japan Reconstruction Agency, the nuclear disaster itself caused the evacuation of about 164,000 people from the evacuation zones and adjacent areas, including mandatory and voluntary evacuation, before gradually decreasing to about 79,000 people (Xuan Bien Do 2019). At the end of March 2017, the government cut public aid to 27,000 people displaced by the disaster; although the government would like to pretend that everything is back to normal, only ten per cent of evacuees have returned to their abandoned homes, the majority of them being over 60 years old (Pataud-Célerier 2019).

On 11 March 2020, nine years after the nuclear disaster, the front page of the *Asahi Shimbun* deplored the lack of interest in the issue, even among the inhabitants of Fukushima themselves (Kikuchi 2020). In one photo showing rescue workers paying tribute to their colleagues who died in the 2011 earthquake, they are wearing masks, not to prevent radiation, but COVID-19.

Through the Alternative Dispute Resolution (ADR) launched by the state, victims can seek compensation for damages that Tepco does not recognize (Kojima 2017). The goal for Tepco

and the state is to reduce the number of legal battles. But this system has not eliminated frustration. While the total number of plaintiffs is a tiny fraction of all whose lives have been disrupted by the disaster, their action is nevertheless a thorn in Abe's side. The head of another plaintiffs' group explains that the fear of being relegated to the ranks of "abandoned people" (*kimin*) has served as motivation to sue the state and Tepco (Maeda Akira, in Maeda et al. 2019: 63). One of our interviewees adds:

"Prime Minister Abe and his government have sent many signals that his ultimate goal is to eliminate the number of official victims of the nuclear disaster before 2020. We are a burden and a stain on the landscape of the Olympics."⁴

In the eyes of leaders of the citizen that initiated the criminal lawsuit, as well as for all of the plaintiffs involved in the collective civil actions, the September 2019 verdict was enormously unjust and influenced by the political context (Johnson et al. 2020). Many had hoped that punishment would send a strong signal to Abe's pro-nuclear government. Accordingly, although there will likely be a protracted multi-year battle to the Supreme Court, the nationwide collective civil lawsuits can be understood as a means to secure redress and to halt the pace of nuclear restarts.

3. Plaintiffs' Mobiles and Court Decisions

All of the plaintiffs for the collective civil actions seek compensation either from Tepco (4 cases), or from both Tepco and the state (27 cases), specifically for material damages, such as the loss of a home or business, and related consequences, such as psychological distress. Table 1 in Notes presents an overview of the cases.

As of 30 March 2020, thirteen judgments had been handed down. The judges found Tepco

liable in twelve cases, while in eight cases, both Tepco and the state were found liable and ordered to pay compensation to the plaintiffs. There was only one case (Yamagata, 17 December 2019) in which the judges dismissed the claims against Tepco and the state. This was a blow to the nationwide movement. Yet, the battle goes on in appeal.

The time between filing complaints and reaching judgments is four to six years. Although this may seem long, it is approximately the national average for this kind of case. However, eighteen other cases are still pending at the district level. Despite the precarious condition of the people displaced by the Fukushima nuclear disaster, the courts do not accelerate the process. Furthermore, Tepco and the state have appealed all of the judgments against them. In light of precedent cases, such as the collective lawsuits for victims of the atomic bomb, the Minamata disease or asbestos, the Fukushima-related lawsuits will probably continue over several years, if not one or more decades.

There are two main categories of lawsuits: one focuses on the restoration of a safe—radiation-free—living environment in Fukushima; the other stresses the right to start a new life elsewhere, assuming that it will probably be decades until the danger of radiation is eliminated. In the first type of lawsuit, the plaintiffs have declared the goal of safe return to their lost land, as summed up in slogans such as “Give our previous lives back!” (*moto no seikatsu o kaese*; Table 1.3), “Give our source of work back, give our region back” (*nariwai o kaese, chiiki o kaese*, alternatively, “Back to normal!” *genjō kaifuku*, Table 1.4 and 1.9), “Living in Odaka!” (1.26) and “Give our hometown Tsushima back” (1.28). These cases have 6,489 plaintiffs, over half the total number of plaintiffs in the nationwide coalition. The remaining 5,920 plaintiffs in 26 cases launched by displaced people all over the country, from Hokkaidō to Kyūshū, claim financial support to

seek refuge away from radiation (*hinan no kenri*), regardless of the government’s claims of safety.⁵

Despite these different perspectives—eliminating radiation in Fukushima or pursuing the right to live elsewhere—the collective civil actions share common goals. Attorney Kurozawa Tomohiro, head of the plaintiffs’ group in the Kanagawa lawsuit (Table 1.16 and Table 2.8), emphasizes three main motivations (Maeda et al. 2019: 7-24). The first is to prove Tepco and the state’s responsibility given the appalling lack of preventive measures against earthquake and tsunami, which were the causes of the nuclear disaster. Evidence for this argument, which was presented in the criminal lawsuit, has been central to several civil actions. The second goal is to challenge the compensation criteria set by the state and Tepco for the people displaced by the disaster. The third goal is to challenge the standards of radiation protection that the state has used thus far to define territories at risk. The last two goals are specific to the civil actions.

Relevant to compensation standards is the fact that all of the plaintiffs were driven from their homes by the disaster, a situation that identifies them as refugees (*hinansha*) under international standards. Although the plaintiffs include forced evacuees (*kyōsei hinansha*), the state has classified the majority as “voluntary evacuees” (*jishu hinansha*). The Japanese government distinguishes between those who lived in the evacuation zones, and those who lived outside the zones. The government classifies departures of house outside the evacuation zones as “voluntary,” as if their departures were a matter of personal convenience, regardless of the increased risk of radioactive exposure (Kojima 2017). Consequently, many people have been excluded from the compensation plan launched by Tepco and the state; only children, pregnant women and a few other exceptions have been eligible

to apply for small amounts of compensation in the case of those who lived outside the evacuation zones. Furthermore, this compensation plan ended in March 2017, leaving many people in difficult economic straits. Judges continue to use the compensation plan's standards as their point of reference (Table 2 in Notes).

Crucial in the debates are assessments of the consequences of "low doses" of radiation exposure. The Linear No-Threshold (LNT) model posits the lack of a safety threshold below 100 millisieverts (mSv) or even below 20 mSv; this model is now backed by a strong consensus in the international scientific community, as well as among experts in Japan. But turning these assessments into legal standards for public health is another story. Japanese official judgment remains that the policy target for the annual maximum exposure is 1 mSv. In practice, the post-311 Japanese state has used 20 mSv as the safety threshold for radiation exposure and disregarded evidence of the consequences of the higher threshold (Jobin 2013b, Shirai 2015, Hirakawa 2015, Kimura 2016, Ribault 2019). According to physician Sakiyama Hisako, who has testified in three lawsuits at the plaintiffs' request (Chiba, Kyoto, Tokyo), the experts backing Tepco and the state cannot argue against the LNT's conclusions, but they have nevertheless tried to mitigate the consequences of those conclusions, as if the risks between 1 and 20 mSv were negligible, effectively ignoring a large body of recent epidemiological surveys showing evidence to the contrary: that exposure to dosages between 1 and 20 mSv led to increased risk of cancer and DNA damage (Sakiyama in Maeda et al 2019: 41-56, see also Leuraut et al. 2015, Richardson et al. 2015). In addition to the civil actions, two collective administrative lawsuits have also been launched against the state, focusing on the problem of radiation standards (in Table 1, cases 31 and 32). By contesting the safety threshold of 20 mSv, these lawsuits all call into

question the territorial zoning set in the wake of the disaster and thereafter gradually reduced, making fewer people eligible for compensation.

4. Small Compensation

Thus far, with the exception of a recent verdict in Yamagata (December 2019), the courts have ruled against Tepco in twelve cases, with the state being found liable in eight cases. For a social movement, this is an impressive result. However, when it comes to compensation, the disappointment runs deep. Let us look at some examples.

One of the first court decisions was handed down in February 2016, and it was not for a collective case, but involved a family that had left Koriyama City (Fukushima Prefecture). Although Koriyama is located outside the official evacuation zone, the court took into account the fact that its inhabitants were exposed to a level of background radiation exceeding official safety standards. Since the mother had been pregnant and the family already had a young child, they decided to move to Kyoto. The father, who was in his forties, had been running a restaurant in Koriyama, and tried to start a new business in Kyoto, but faced with difficulties, he fell into depression. He then sued Tepco for post-traumatic stress disorder, and the Kyoto District Court ordered the company to pay him 30 million yen (about US\$269,000) in compensation.⁶ Although this amount is probably far from sufficient to compensate his loss, it was a relatively large settlement compared to the amounts granted in the collective cases (see Table 2). For instance, two years later, when the same Kyoto court ruled that Tepco and the state owed compensation to a group of 110 plaintiffs or 58 households, including 2 households of forced evacuees and 49 households of voluntary evacuees (Table 1.17, and Table 2.6), the amounts were

considerably lower: 600,000 yen for children of voluntary evacuees, and 300,000 yen for the adults (respectively US\$5,400 and US\$2,690).

The first decision in a collective suit came in March 2017 from the Maebashi District Court (Kikuchi 2017; see Tables 1.12, 2.1). The plaintiffs included both forced and voluntary refugees, most of whom had left homes located less than 30 kilometers from Fukushima Daiichi (Soeda 2017: 101; and documents provided by Gensoren). This court was the first to recognize the responsibility of both the company and the state. After reviewing expert testimony and conducting on-site inspections, the judges ruled that Tepco and the state authorities had, as far back as 2002, been clearly aware of the risk that the nuclear reactors' cooling system could be destroyed by a large tsunami. This was an important decision that has since set a crucial precedent (Soeda 2017: 110-118). Even so, the plaintiffs were dismayed by the low amounts of compensation set by the judges. The families who had fled from official evacuation zones were to receive up to a maximum of 5 million yen, about US\$45,000, unless they had already received the baseline payment of 1.8 million yen from the state and Tepco's compensation plan, in which case they would receive a premium of less than 3.2 million yen (about US\$34,000). Obviously, these amounts were a small fraction of the damages people had suffered as a result of the loss of their home and livelihood.

A few months later, in September 2017, the Chiba District Court ordered Tepco to pay compensation in a similar range (Tables 1.7, 2.2). Moreover, the judges did not deem the state responsible. The third decision, in October 2017, was for the largest group of plaintiffs (*nariwai o kaese*, Tables 1.4, 2.3), and reaffirmed both Tepco and the state's responsibility, but rejected the claims of one fourth of the plaintiffs and delivered insultingly low compensation premiums to the rest (between US\$270 and 1,800). In March 2018, a

Tokyo court delivered a relatively higher level of compensation for voluntary evacuees (Tables 1.5, 2.5), and this verdict was the only one to explicitly endorse the LNT model of radiation risk.

Even more than a strictly economic measure of the damage, the plaintiffs oppose a strictly economic measure of the value of their homeland. This is especially explicit in the testimonies of those involved in lawsuits with slogans such as "Give us back our hometown" (*Nariwai o kaese... bengodan* 2014). As Laura Centemeri (2015) explains, in many issues of environmental justice around the world, the environment is often perceived as such a constitutive part of a person and his/her community, that if it is affected by massive industrial pollution, compensation for "a loss of enjoyment" of the area does not mean much for the victim and his/her affected community. The loss resists general valuation because "things and persons are constituted as unique spatio-temporal particulars" (Centemeri 2015: 314).

In the Fukushima lawsuits, the plaintiffs express this sentiment as the "loss of homeland" (*furusato no sōshitsu*), i.e. the disappearance of one's place in life, its common history and specific culture. As Yokemoto Masafumi, an expert summoned to the Iwaki branch of the Fukushima court, has pointed out, the "loss of homeland" is something unprecedented in the history of Japan (Soeda 2017: 119-122, see also Yokemoto 2016). The plaintiffs' lawyers therefore advanced a broader understanding of the nuclear disaster's consequences, which are difficult to convert into money. However, the amounts eventually set by the judges are so small, especially for those who lived outside the official high-risk zones, that they cannot provide any moral comfort (Maeda et al 2019: 13-19, 67-69). Moreover, Fassert and Hasegawa (2019: 115) observed: "gap in compensation payment, which is in reality the financial assistance for evacuation, has triggered jealousy, tension and

division among the affected residents, leaving profound scars in the communities.”

In the large majority of these collective actions plaintiffs have sued both Tepco and the state. The latter carries special meaning. Research on the Japanese judiciary shows that judges constitute a portion of a state bureaucracy with strong discipline and esprit de corps, which enables them to maintain some distance from the government and the Liberal Democratic Party (LDP). They are nevertheless deeply influenced by the dominant political culture (Upham 2005: 454, cf. Haley 1998, Johnson 2002, Ramseyer and Rasmusen 2003). Based on these findings, we can posit that the decision to sue both Tepco and the state might have prevented the judges from setting higher levels of compensation. But as the lawyers have argued, the state had a fundamental responsibility in developing a nuclear program in a highly seismic country, so there was no question of not suing the state (Kawai 2012, and Att. Nakano Tomoki in *Nariwai o kaese... bengodan* 2014: 50-64).

5. The Criminal Suit: A Driving Force?

The collective lawsuits’ stance on this issue shares similarities with that of the criminal lawsuit. As Frank Upham has pointed out (1976), in collective lawsuits, such as industrial pollution litigation, plaintiffs and their lawyers cannot restrict themselves to a strict calculation of the value of material or human damage; they aspire to an ethical judgment that has political consequences, if only to prevent similar tragedies. In civil actions, the defendant’s fault must nevertheless be converted into money, which in some cases, have a tendency to attenuate the ethical dimensions of the charge (Jobin 2013a). Criminal lawsuits offer a means of counterbalancing such outcomes.

However, criminal lawsuits against those

responsible for industrial disasters are extremely rare, not only in Japan, but worldwide. The most spectacular case was in Italy, with a lawsuit involving more than six thousand plaintiffs against the two presidents of the asbestos company Eternit; after convictions from the district and appeal courts of Turin, the case was dismissed by the Supreme Court of Cassation in Rome (Marichalar 2019). In France, similar proceedings initiated by asbestos victims have been dragging on for years. In Japan, the 1988 conviction of two Chisso company executives for their responsibility in the 1960s Minamata disease epidemic was, for the victims, too little, too late (Togashi 1995, Jobin 2014).

In this national and global context, the criminal lawsuit backed by over a group of 15,000 Fukushima residents, usually known as Gensodan,⁷ is exceptional. The core members behind the lawsuit’s early momentum are a team of fifty citizens who, since the mid-1980s, have been fighting against the conspicuous presence of nuclear power plants in Fukushima. When the nuclear disaster occurred in March 2011, they were planning a protest against the ten-year extension of Fukushima Daiichi’s nuclear reactor.⁸

The criminal lawsuit has been, legally speaking, far more demanding than a civil action, so it is not surprising that it took more than five years before the first hearing was set in July 2017 (Johnson et al 2020). However, for the Gensodan, the slowness of the criminal proceedings and the many obstacles throughout the entire process are the product of obvious political influence. Not only was the case abruptly transferred from the jurisdiction of Fukushima to Tokyo, but also, once the hearings began, the judges exhibited a hostile attitude toward the plaintiffs who attended the hearings:

“The controls were stricter than those for the trial of Aum Shinrikyo, as if we were

potential terrorists! Inside the court, although there were 90 seats, only twenty of us could enter the court, by drawing lots. The other seats were supposed to serve for the defendants and the media, but most of them were left empty. [...] You know, during court hearings, it's sometimes natural to react, isn't it? For example, when we heard the shocking revelations of earthquake expert Shimazaki Kunihiro, some of us couldn't help but murmur in surprise.⁹ Yet it was almost like a whisper, it was not loud at all. But the judge overreacted, threatening to clear the room!"¹⁰

Japan's prosecution rate is relatively low. On the other hand, according to Johnson (2002: 216-218), when it comes to verdicts, the conviction rate is so high that the average Japanese prosecutor sees an acquittal only once every 13 years. The acquittal in September 2019 was therefore extremely unusual. Moreover, the judges' convictions closely resembled those of the ruling LDP and Abe cabinet.

For the Gensodan, another development that signaled the judges' probable bias was the case of former Tepco employee Yamashita Kazuhiko, who was responsible for taking measures to prevent extensive damages from a tsunami. In a statement read during a court hearing, Yamashita said that in 2008, the three Tepco executives had been informed of the risk of a wave up to 15.7 meters, slightly above the 15.5-meter wave that hit the reactors in March 2011 (Osumi 2019). But in July 2008, although they had initially approved safety measures to handle the risk, the executives put the blueprint aside out of fear that it would provoke local antinuclear protest.

This was such decisive testimony that the Gensodan had expected Yamashita to be at the top of the list of 21 potential subpoena witnesses. But Yamashita was never called to

testify. According to the Gensodan, the judges had probably ruled out his participation for fear that he would reiterate his criticisms against the government in the case against Tepco's top executives. Yamashita had, after all, publicly challenged Prime Minister Abe's declaration in September 2013, when the latter had sought to reassure the Olympic Committee that the situation at Fukushima Daiichi was "under control."¹¹

Johnson et al. (2020) posit that, given the recent history of criminal proceedings in Japan, it is highly unlikely that this judgment will be overturned by appeal. However, as the authors also point out, and as the lawyers' testimonies in the civil actions tend to show (e.g. Maeda et al. 2019), the hearings conducted at the criminal court of Tokyo have brought important evidence to light, which have proved useful in the collective civil lawsuits. The criminal lawsuit can thus be understood as a driving force behind the collective civil actions. However, the collective lawsuits should not be misunderstood as simply relying on the criminal lawsuit; on the contrary, these suits advance one of the key initial goals: suing the state.¹²

Although targeting the state entails many difficulties, the plaintiffs and lawyers in most of the collective civil actions clearly thought it worth the effort.¹³ In the criminal case, the initial goal was to prosecute twenty state and Tepco executives, but the prosecutors eventually reduced the number of defendants to three top executives from Tepco. Gensodan members were frustrated by this development. They nevertheless proceeded because the three executives were not subordinate scapegoats, but key actors, such as former chairman Katsumata Tsunehisa, familiarly nicknamed "the emperor" ("Katsumata Ten'nō") among his staff.¹⁴ At the same time, the fundamental question of the state's responsibility for the nuclear disaster was excluded from the court proceedings. With the absence of state

defendants in the criminal court, the collective civil lawsuits have therefore brought critical questions about the role of the state before and after the nuclear disaster back into focus.



Plaintiffs on the way to Osaka Court, 30 July 2015. Courtesy of Akiko Morimatsu

6. Collective Lawsuits: A Legacy of Movements

It has often been pointed out that, compared to the United States, legal recourse is not widely pursued in Japan. There is, however, much evidence to the contrary. Before the Fukushima lawsuits, a large number of collective lawsuits was launched by victims of industrial pollution (kōgai soshō).

To name just a few, social movements against industrial pollution date back to the Meiji period, with the most famous case being the Ashio copper mine (Walker 2010, Stolz 2014, Pitteloud 2019). But it was only after World War II that anti-pollution movements really began to take a more systematic judicial approach, most famously in the seminal “big four” trials (yondai kōgaibyō saiban) for the Minamata disease in Kyushu and Niigata, the itai itai cadmium poisoning in Toyama, and the Yokkaichi asthma. These lawsuits ran from

1967 to 1973 (e.g. Upham 1987, Togashi 1995, George 2001, Jobin 2006, Shimabayashi 2010, Nichibenren 2010).

Thereafter, from the mid-1970s through the 1990s, the Japanese Communist Party launched several lawsuits for victims of air pollution near industrial zones such as Kawasaki or Kitakyushu; these suits involved large groups of plaintiffs, up to seven hundred (e.g. Nichibenren 2010, Jobin 2006). Furthermore, since the mid-2000s, numerous environmental and occupational lawsuits have been launched by victims of asbestos use (Nichibenren 2010, Awaji et al 2012, Mori et al 2012, Jobin 2013a), victims of karōshi or death by overwork (North 2014), and patients of Hansen’s disease and hepatitis C (Arrington 2016). Around the same time, atomic bomb survivors also launched lawsuits against the state (Hasegawa 2010, Genbaku-shō nintei shūdan 2011, Tōkyō genbaku-shō nintei shūdan 2012).

These cases form an extensive repertoire of collective action (Tilly 2006), which is unfortunately, almost unknown in the mainstream literature in English on social movements.¹⁵ While books written by lawyers tend to emphasize the positive results achieved through these struggles (e.g. Nichibenren 2010, Shimabayashi 2010), other works have highlighted the tensions that occasionally arose between lawyers and activists, unions and environmental groups, etc. (Upham 1987, George 2001, Jobin 2006). As a whole, the literature on this history provides a rich catalog of legal and organizational tactics, which can be mobilized in all sorts of collective lawsuits (for a manual, e.g. Koga 2009).

Japan’s collective civil actions (dantai soshō) fill the same basic function as American class actions in mass tort cases: to provide redress for victims of harm. However, the motivations of lawyers who bring these suits often differ. American lawyers who represent plaintiffs in mass tort cases can be rewarded with huge

attorneys' fees when they are successful. In the U.S., financial incentives for lawyers explain, for instance, the hundreds of thousands of asbestos litigations; as highlighted by Jasanoff and Perese (2003), this business-oriented use of law and the judiciary blocks or delays legislation change and public policy reform. The upside of such legal culture, however, is that it can generally deliver much higher compensation to the victims.

In contrast, as indicated in the Fukushima civil actions, compensation awards granted by Japanese courts tend to be small; accordingly, fees for plaintiffs' attorneys are also small. As noted by Steinhoff (2014: 4), "the Japanese Civil Code does not allow for punitive damages, and there are no juries to make unpredictable awards, so lawyers do not undertake civil lawsuits on a contingency fee basis in hopes of winning big settlements." Foote (2014: 173) further argues that in Japan, despite pro bono "cause lawyers" and a large network of supporters to help defray the costs of legal battles, these costs, together with the lack of a class action mechanism, constitute a significant barrier to accessing the court. The advantage of this situation is that such hurdles compel social movements to seek changes through legislation and public policy even more vigorously.

Since compensation in Japan is generally low, lawyers are often motivated by more political factors from the outset, particularly by their links with the political left (Upham 1987, George 2001, Jobin 2006, Steinhoff et al. 2014). Many lawyers are members (or closely associated with) the Japanese Communist Party (Nihon kyōsantō) or of the legacies of the Socialist Party, such as the Social Democratic Party and the former left wing of the Democratic Party (Minshutō), later renamed the Constitutional Democratic Party (Rikken minshutō). Currently, in the Diet, these are all minority parties facing the impregnable fortress of the Liberal Democratic Party, but

socially and in the media landscape, they are active and influential.

An important factor to take into account is the lengthy wait time for rulings to be handed down. The larger the number of lawsuits, the longer the wait period, which seems to grow longer with each litigation, as well as effects of the movement overall: when a battle ends, another one starts. The case of the Minamata disease lawsuits is particularly striking. Including the first cases filed in the 1960s, there have been some thirty collective action suits, not only against the polluting companies Chisso (in Kyushu) and Showa Denko (in Niigata), but also against the state; these cases were mainly initiated by the tens of thousands of people left out of the compensation system (Togashi 1995, Jobin 2014). In March 2011, shortly after the disaster in Fukushima, several courts were still issuing decisions on collective cases about Minamata disease. As a whole, these thirty or so Minamata lawsuits have been in the courts for over fifty years.

There was an equivalent number of lawsuits within ten years of the Fukushima Daiichi meltdown. We might therefore wonder if, compared to cases in previous decades, Fukushima reflects a more frequent and systematic recourse to the judiciary, as well as what contributed to this change. Does it mean a 'legal turn' generated by the antinuclear movement? I posit that the faster launch of Fukushima lawsuits builds on a legacy of lawsuits conceived as social movements, driven by a nationwide network of activists and lawyers. Furthermore, although antinuclear sentiment is an important component, this movement cannot be attributed to that alone, as its ideological scope is much larger.

In Fukushima, despite the increase of thyroid diseases, lawsuits seeking medical compensation have yet to appear. Even so, the ongoing civil actions exhibit similarities with the collective actions that developed around,

among others, the legal battles fought by atomic bomb victims. Beginning in Nagoya in March 2003, and taking cues from numerous individual suits, a total of twenty-two collective lawsuits were filed against the government, contesting its narrow certification criteria for symptoms of atomic illness. Most courts ruled in favor of the victims, and the supporting evidence was published after March 2011, anticipating the legal needs of victims from Fukushima (Hasegawa 2010, Genbaku-shō nintei shūdan 2011, Tōkyō genbaku-shō nintei shūdan 2012).

Furthermore, since the late 1970s, small unions, labor activists and nuclear watchdog groups (such as the Citizens' Nuclear Information Center) have launched two dozen lawsuits and engaged in administrative battles over leukemia and other serious illnesses contracted by nuclear plant workers (Jobin 2011, 2013bc, Iida 2016). Shortly after 11 March 2011, these groups urged Tepco and the government to provide proper protection equipment for cleanup workers at Fukushima Daiichi and across the region. Since 2016, they have supported a former cleanup worker who sued Tepco after working at Fukushima Daiichi and being diagnosed with leukemia. The worker's accumulated radiation exposure was 19.78 mSv, slightly below the maximum annual legal amount of 20 mSv, but high enough to apply for compensation for occupational cancer (Jobin 2019). His lawsuit has gone through 15 hearings thus far; given the controversy over the risks of exposure to radiation doses below 20 msv, the outcome has important significance for the collective lawsuits launched by Fukushima evacuees.¹⁶

Another resource for the Fukushima lawsuits is the numerous litigations that antinuclear activists have launched in a bid to prevent or shut down nuclear power plants. These battles also began in the late 1970s. Since then, attorney Yuichi Kaido (2011), a leader of that movement, has counted a total of sixteen

administrative and civil actions across the country as among the most important in furthering the movement's goals. Unfortunately, before the Fukushima nuclear disaster, the plaintiffs lost all of their cases in the district courts, and the ten cases that had reached the Supreme Court were also all dismissed. There were only two temporary victories in the high court: one over reactor number 2 at the Shika Nuclear Power Plant in Ishikawa Prefecture, and the other over the sodium-cooled fast reactor Monju in Fukui Prefecture, which resulted in a technical failure at a total cost of one trillion yen. Given that the risk of earthquakes and tsunami had been central issues in these lawsuits, Kaido (2011) argues that the Japanese judiciary, and the Supreme Court in particular, holds an important share of responsibility in not preventing the Fukushima nuclear disaster (see also Isomura and Yamaguchi 2016).

In comparison, the lawsuits that were launched after March 2011 opposing the government's plans to re-start the nuclear plants have met with greater success. As early as July 2011, a group of 170 lawyers, under the leadership of veteran lawyers such as Kaido and Hiroyuki Kawai, gathered together to prepare legal requests for "provisional measures to suspend operation" (unten sashitome karishobun). With the exception of four nuclear power plants (Higashidōri, Onagawa, Fukushima Daiichi and Daini, this ambitious initiative accounted for nuclear reactors all over the country. Although a court ruling to suspend operation has no coercive power on the electricity companies operating the plants, it nevertheless sends them a warning that is amplified in the media. A good example was the decision, in April 2015, of the Fukui District Court against the re-start of the Takahama Nuclear Power Plant's number three and four reactors. (Kawai 2015)

Last but not least, lawyers, activists and victim groups invested in the legacy of industrial pollution lawsuits have, since the Minamata

disease cases, sent messages of solidarity to the victims of Fukushima, as well as a willingness to share their decades of experience struggling against the state and polluting industries (Genbaku-shō nintei soshō Kumamoto bengodan 2011, 2012).

All of these legal battles have developed a culture that legitimizes the lawsuit as a social movement (soshō undō). Such movements usually begin with local initiatives, before eventually converging into one or two nationwide alliances. This social movement of Fukushima lawsuits clearly involves a political dimension, but it does not necessarily mean a partisan fight. In the past, these alliances frequently divided between the socialists and communists (such as the Gensuikin and Gensuikyō in the case of the anti-nuclear movements and the hibakusha). Although tensions remain between the remaining networks and their associates in the Diet, the disappearance of the Japan Socialist Party in the mid-1990s gradually overcame this divide. Accordingly, the thirty ongoing collective civil actions have launched a national coalition, Gensoren,¹⁷ which links to the JCP, as well as the Reiwa Shinsengumi, founded by former councilor Yamamoto Tarō. Gensoren also maintains regular contact with Gensodan, the group that initiated the criminal lawsuit, and which has greater political affinity with the successors of the former socialist party.¹⁸

7. Conclusion

The civil actions launched by the victims of the Fukushima nuclear disaster draw on a long and varied line of collective actions. First among these are the lawsuits opposing the extension or re-activation of nuclear reactors after 2011. In addition to expected antinuclear lawsuits, Japan has also benefitted from a movement to recognize the health hazards suffered by nuclear plant workers across the country. Likewise, the collective lawsuits to challenge

the state's narrow criteria for atomic bomb symptoms have served as another source of mobilization. To this catalogue of lawsuits over nuclear energy and the effects of radiation, the movements were fueled by a long list of collective lawsuits launched by victims of industrial pollution, particularly those of the Minamata disease.

Moreover, the civil actions launched after March 2011 developed a network of solidarity with citizen initiatives for a criminal lawsuit against the state and Tepco executives. Although there was similar prosecution of the individuals responsible for Minamata disease in the 1980s, and although the verdict did condemn two Chisso executives, for the victims it was too little, too late. But in the case of the Fukushima lawsuits, despite the acquittal, the criminal lawsuit initiated a dynamic that continues to fuel the nationwide movement of collective civil actions. In turn, the citizens' group behind the criminal lawsuit reinforces the civil actions. This is because, beyond the issue of compensation inherent in civil actions, the majority of these lawsuits have chosen to sue not only Tepco, but also the state.

The low amounts of compensation set by the judges thus far constitute a major obstacle to recognition of the state's responsibility for the Fukushima disaster. In particular, it is puzzling that an individual family can receive an amount of compensation much higher than that for collective lawsuits. Further research is needed to compare the levels of compensation set for the collective suits and the individual cases.

This essay has offered an evaluation of the significance of collective lawsuits in the wake of the Fukushima nuclear disaster, with a focus on civil actions. The plaintiffs' claims could be further evaluated in light of more detailed analyses of the networks of lawyers, activists, political parties, unions, and citizen groups in other lawsuits. To better assess the evolution of this lawsuit-driven movement, it would be

helpful to have a close analysis of the motivations at work among the plaintiffs; for example, to what extent do the low levels of compensation affect the plaintiffs' assessment of the suits and their movement?

Another important issue for further research deals with the socio-political impact of these lawsuits. In *Law and Social Change in Postwar Japan* (1987), Frank Upham described the Japanese model of law and litigation as judge-centered and governed by what he called "bureaucratic informalism," i.e., a coalition involving the bureaucracy, the Liberal Democratic Party, and big business.¹⁹ As Upham argued, in spite of that stable coalition of conservative elites, grassroots collective litigations like the 1970s "Big Four" anti-pollution lawsuits, have been important factors behind social change in Japan. Three decades after Upham's assessment, a long economic recession and a nuclear disaster have not destroyed the coalition between the LDP and the bureaucracy. It remains to be seen whether the cataclysmic impact of the COVID-19 pandemic on economy and society will shake that coalition, or will stimulate social movements in new ways.

As Cleveland (2014: 516 et seq.) noted, in the aftermath of 3.11, "for a moment, it seemed that Japanese politics was in the midst of fundamental social change, with a flowering of activism and civil society engagement." On 15 March 2011, through their courageous decision to stand against top Tepco executives, the nuclear bureaucracy, and LDP politicians, Prime Minister Kan Naoto and Fukushima Daiichi plant manager Yoshida Masao saved Japan from a complete loss of control that might have otherwise led to a nationwide disaster. With thousands of workers on the front, they saved Japan from a Godzilla-like scenario. Soon after however, voters rejected Kan and the Democratic Party of Japan (DPJ) to reinstall the LDP. Ironically, it was the LDP that had promoted Japan's nuclear power

program since the 1960s, but it was the DPJ that paid for their mistakes. Since its creation in 1955, the LDP has always ruled the Diet and the government, except for very brief periods such as the socialist coalition of 1994-1996 and the DPJ cabinets of 2010-2012. In that same timeframe, the LDP's main opponent, the Japan Socialist Party, and thereafter the Democratic Party of Japan, have disappeared, while their legacy, the Constitutional Democratic Party, is a mere shadow of the past opposition party. In other words, the LDP is one of the most stable government parties in postwar liberal democracies, and it owes much of that stability to its alliance with the bureaucracy and big business.

The flip side of that political stability has been stagnation for several legal issues such as the persistence of the death penalty and the "substitute prison" system (*daiyō kangoku*).²⁰ Moreover, over the last thirty years, the political hegemony of the LDP has been conducive to a right-wing turn on several social issues, such as amnesia over wartime crimes and the increasing virulence of xenophobic groups (Kingston 2016, Nakano 2016, Postel-Vinay 2017, Gaku et al 2017). Besides, despite superficial political slogans, gender equity has made little progress, with the remarkable exception of legal professions. This aspect would be worth further attention in future research on Fukushima lawsuits and other social movements engaged in legal battles.

Although the Fukushima lawsuits have not fundamentally challenged the LDP's thus far unchallengeable position, the nation-wide movement of legal battles launched by the victims of the Fukushima disaster has blocked the government's ability to re-start its nuclear reactors. As emphasized by Steinhoff et al (2014), and as can be observed in the Fukushima criminal case, a defeat in the courts does not necessarily mean a defeat for the social movement as a whole. At the very least, a collective lawsuit may contribute to publicizing

the cause, and it often energizes supporters. The contrary may also be true: a victory in court is no guarantee that the movement will achieve its goals or that it will contribute to policy reform and social change. Further research on the civil actions should pay careful attention to both aspects, and more generally speaking, to the diversity of scenarios and paths.

Moreover, the ninth anniversary of the Fukushima nuclear disaster has been marked by another emergency: the COVID-19 pandemic, the impact of which will impinge heavily on all the issues discussed here. The beginnings of criticism that have already arisen from civil society against Abe's government for its lack of appropriate response invites comparison with the opposition stirred by the movement growing out of Fukushima (Asanuma-Brice 2020).²¹ As the virus spreads throughout Japan, its social and political impact may impinge directly on all the movements and forces discussed here, in ways that we cannot yet gauge.

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Notes

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² Despite very high scores for health and education, the numbers of Japanese women in politics and among executive managers in business remain very low. When the World Economic Forum published its first Global Gender Gap Report in 2006, Japan ranked 79th out of 115 countries, a rather disappointing performance for the world's second largest economy at the time. In the latest report in 2020, not only has Japan not improved, but it also remains in the bottom forty at 121st out of 153 countries (in the meantime, South Korea has bypassed Japan).

³ The notion of “cause lawyer” refers to the work of Austin Sarat and Stuart Scheingold (e.g. Sarat and Scheingold 2006).

⁴ Interview with Morimatsu Akiko, head of the plaintiffs' group for the lawsuit launched in Osaka (Table 1.16), 14 November 2019, Osaka.

⁵ *Idem.*

⁶ “Jishu hinan: Tōden ni hajimete no baishō meirei” (Voluntary evacuees: First ruling orders compensation from Tepco), *Mainichi Shimbun*, 18 February 2016.

⁷ Gensodan 原訴団 stands for *Fukushima genpatsu kokuso dan* 福島原発告訴団.

⁸ Yamaguchi and Muto 2012, and my interview with Muto Ruiko, head of Gensodan, Tokyo, 12 November 2019.

⁹ A professor at Tokyo University, who has served as the president of the Seismological Society of Japan, Shimahashi explained to the judges that there had been a complete lack of response from Tepco and the government when in 2002, the highest committee of earthquake experts sent a clear warning about the high risk of seismic and tsunami activity at Fukushima Daiichi. During the court hearings, Shimahashi expressed remorse for not having pursued the issue. These hearings were conducted on 9 and 25 May 2018. Recording was not allowed, but for a transcription of hand-written notes, see Gensodan's website here (<http://kokuso-fukusimagenpatu.blogspot.com/2018/07/12.html>).

¹⁰ Interview with Muto Ruiko, Tokyo, 12 November 2019.

¹¹ *Idem.*

¹² Separate interviews with representatives of Gensoren and Gensodan, Tokyo, November 2019.

¹³ Interview with Kamoshita Yuya, head of the plaintiffs' group of the Tokyo lawsuit (Table 1.5), Tokyo, 12 November 2019.

¹⁴ Interview with Muto Ruiko, Tokyo, 12 November 2019.

¹⁵ Japan is rarely discussed in the mainstream, English-language literature on social movements such as the Political Opportunity Structure and Resource Mobilization theories by leading authors such as Charles Tilly, Sidney Tarrow and Doug McAdam. For an application of these theories to the Japanese context, see Arrington 2016.

¹⁶ Interview with Iida Katsuyasu, Tokyo, 13 November 2019.

¹⁷ Nuclear Plant Victims Litigation Plaintiffs National Liaison Committee (also known as Gensoren, from the abbreviation of its Japanese name: *Genpatsu higaisha soshō genkokudan zenkoku renrakukai* 原発被害者訴訟原告団全国連絡会). The liaison office is based in Tokyo. The current president is Kamoshita Yuya, who is also the head of the plaintiffs' group for the main Tokyo lawsuit (Table 1.5). Source here (<http://www.jnep.jp/b-fukushima/gensoren/top/index.html>).

¹⁸ Separate interviews with representatives of Gensoren and Gensodan, Tokyo, November 2019.

¹⁹ As Upham (1987: 17) described it: "Central to that model is the elite attempt to retain some measure of control over the processes of social conflict and change. The vehicle for that control is a skilled bureaucracy, itself one branch of Japan's tripartite elite coalition, which has a long history of active intervention in Japanese society. But social control, even the indirect control favored by the Japanese government since the Tokugawa Period, is extremely difficult in democratic societies. Japan enjoys not only representative government but also a high degree of social and economic mobility, a vigorous and irreverent press, and an independent and respected judiciary and private bar."

²⁰ Prior to indictment, Japanese police routinely ask criminal judges to keep suspects in substitute detention (*daiyo kangoku*), and judges rarely refuse. This practice allows Japanese police to detain suspects in police cells for up to 23 days (sometimes over months). It is supposed to facilitate investigations. But the frequent result is a forced signed confession, which the judges use to accelerate indictment. The United Nations Human Rights Committee and the UN's Committee on Torture have argued that extended detention enables abusive interrogation methods. Critics denounced the practice as pre-trial punishment that partly explains why the indictment rate is so high in Japan. (Croydon 2016, see also Johnson 2002, Neil 2008, Repeta 2009)

²¹ On April 12, young workers protested in Tokyo against the lack of appropriate labor measures from the government. 要請するなら補償しろ！デモ in 渋谷 - 2020.4.12 (<https://www.youtube.com/watch?v=Bs-UkaPFD5U&fbclid=IwAR396onjsvyVCQ8jnBajg9a-RsP5Upg3nv1GKvEJhTZOGj0TStqsuL3GPVQ>).

²² **Table 1. Collective Civil Action Related to Fukushima Nuclear Disaster**

Usual name or slogan for the case 訴訟通称	Courts 裁判所	Plaintiffs Number (households) 原告人数(世帯)	Defendants 被告	Lawyers' group 弁護士団	Launching date 提訴	Judgments 判決	Defendants condemned; Date and compensation in Yen.

1.	Fukushima NPP refugees 1 福島原発避難者訴訟	Fukushima District Court (DC), Iwaki Branch. Appeal in Sendai High Court (HC)	476 (151 households, mainly of forced evacuees who have sought refuge in Fukushima or the Tokyo area)	TEPCO	Hamadori 福島原発被害弁護団 (通称: 浜通り弁護団)	3 Dec. 2012; 7 Jul. and 26 Dec. 2013; 21 May 2014	22 March 2018. TEPCO. Approximately 612.4 million for 213 plaintiffs, about 2.8 million per plaintiff. Now in appeal in Sendai.
2.	Fukushima NPP refugees 2 福島原発避難者訴訟	Fukushima DC, Iwaki Branch	113 (38 households)	TEPCO	Hamadori 浜通り弁護団	18 Feb. 2015	
3.	"Give us back a normal life!" (Iwaki) 元の生活を返せ・原発事故被害いわき訴訟 (略称: いわき市民訴訟)	Fukushima DC, Iwaki Branch	1577 (667 households, including families of voluntary evacuees in Iwaki)	TEPCO and the State	Hamadori 浜通り弁護団	3 March, 26 Nov. and 17 Dec. 2013	
4.	Nariwai o kaese "Back to normal!" 現状回復訴訟	Fukushima DC Appeal in Sendai HC	3865	TEPCO and the State	Nariwai o kaese 「生業を返せ、地域を返せ!」福島原発事故被害弁護団	11 March and 10 Sept. 2013; 10 March and 10 Sept. 2014	10 October 2017. TEPCO and the State. Approximately 500 million for 2900 plaintiffs.
5.	Tokyo 福島原発被害東京訴訟	Tokyo DC In Appeal in Tokyo HC	321 (89 households, including voluntary and other refugees in the Tokyo area, 42 in Tamura, 5 in Fukushima and 7 in Tochigi)	TEPCO and the State	Tokyo Metropolitan Area 福島原発被害首都圏弁護団	11 March and 26 July 2013; 10 March 2014	7 February 2018. TEPCO and the State. Approximately 1.1 billion.
	Tokyo 2 福島原発被害東京訴訟	Tokyo DC	47	TEPCO and the State	Tokyo Metropolitan Area 福島原発被害首都圏弁護団		16 March 2018. TEPCO and the State. Approximately 60 million for 42 plaintiffs.
6.	Abukuma-kai 阿武隈会訴訟	Tokyo DC	57 (28 households settled in the former emergency evacuation zone of Tamura City)	TEPCO and the State	Abukuma-kai 東日本大震災による原発事故被災者支援阿武隈会弁護団	10 March 2014; 27 March 2015	
7.	Chiba 福島第一原発事故被害者集団訴訟	Chiba DC In appeal in Tokyo HC	47 (18 households of evacuees, including 2 voluntarily and 15 forced)	TEPCO and the State	Chiba 原発被害救済千葉泉弁護団	11 March and 12 July 2013	22 September 2017. TEPCO only. 150 million to 42 plaintiffs, about 3.5 million per plaintiff.
8.	Chiba (2 nd Group) 福島第一原発事故被害者集団訴訟 (第二陣)	Chiba DC In appeal in Tokyo HC	20 (6 households: 1 forced and 5 voluntary)	TEPCO and the State	Chiba 原発被害救済千葉泉弁護団	11 March 2013	14 March 2019. TEPCO only. 5 million for 9 plaintiffs.
9.	Hometown Loss よるきと喪失訴訟	Fukushima DC	40 (19 households)	TEPCO and the State	Nariwai o kaese 「生業を返せ、地域を返せ!」弁護団	30 May 2013	
10.	Hokkaido 原発事故損害賠償・北海道訴訟	Sapporo DC	280 (80 households: 8 forced and 63 voluntary, mainly in Hokkaido)	TEPCO and the State	Hokkaido 原発事故被災者北海道弁護団	21 June, 27 Sept. 2013; 4 March, 12 and 21 Aug., 15 Dec. 2014; 12 Aug. 2015	10 March 2020. TEPCO and the State. 16.5 million for 257 plaintiffs (78 households)
11.	Nagoya	Nagoya DC In appeal in Nagoya HC	135 (42 households refuged in Aichi and Gifu prefectures, including 14 voluntary)	TEPCO and the State	Aichi, Gifu 福島原発事故損害賠償愛知弁護団・岐阜弁護団 (http://genpatsu-aichi.org/)	24 June 2013	2 August 2019. TEPCO only. Approximately 96,83 million for 109 plaintiffs.
12.	Maebashi (Another 3 rd group has been launched)	Maebashi DC In appeal in Tokyo HC	137 (45 households; including 25 of forced evacuees and 185 voluntary)	TEPCO and the State	Gunma	23 July 2013; 10 March 2014; 11 Sept. 2015	17 March 2017. TEPCO and the State; 38.5 million. (Soeda 2017), about 200,000 per plaintiff.
13.	Yamagata	Yamagata DC In appeal in Sendai HC	735 (201 households including 15 of forced evacuees and 20 voluntary)	TEPCO and the State	Yamagata 原発被害者救済山形弁護団	23 July 2013	17 Dec. 2019 TEPCO and the State found not liable. See source (https://apjif.org/admin/site_manage/details/mlaw.cocolog-nifty.com).
14.	Niigata	Niigata DC	807 (42 households)	TEPCO and the State	Niigata 福島原発事故救済新潟弁護団	23 July 2013	Out court conciliation in 2013 for one group of plaintiffs.
15.	Saitama	Saitama DC	96 (29 households)	TEPCO and the State	Saitama 原子力損害賠償群馬馬弁護団	23 July 2013; 9 Jan., 25 Aug. 2015	

16.	Kanagawa 福島原発かながわ訴訟	Yokohama DC	177 (61 households; including 16 forced and 45 voluntary)	TEPCO and the State	Kanagawa 福島原発被害者支援かながわ弁護士団	11 Sept., 12 Dec. 2013; 10 March, 22 Dec. 2014	20 February 2019. TEPCO and the State. Approximately 420 million for 175 plaintiffs about 2.4 million per plaintiff. Now in appeal in Tokyo. (See Maeda et al 2019)
17.	Kyoto	Kyoto DC In appeal in Osaka HC	175 (58 households, including 2 forced and 49 voluntary)	TEPCO and the State	Kyoto 東日本大震災による被災者支援京都弁護士団	17 Sept. 2013; 7 March 2014; 7 July 2015	15 March 2018. TEPCO and the State. Approximately 110 million for 110 plaintiffs.
18.	Osaka	Osaka DC	243 (88 households in the Kansai area, including 14 forced and 54 voluntary)	TEPCO and the State	Kansai 原発被災者支援関西弁護士団	17 Sept., 18 Dec. 2013; 7 March 2014	
19.	Kobe 福島原発事故ひょうご訴訟	Kobe DC	92 (34 households in Hyōgo Pref., including 4 forced and 23 voluntary)	TEPCO and the State	Hyōgo 原発事故被災者支援兵庫弁護士団	17 Sept. 2013; 7 March 2014; March 2015	
20.	Sendai	Sendai DC	83 (36 households, including of forced evacuees, and people from Minamisoma)	TEPCO	Miyagi みやぎ原発損害賠償弁護士団	3 March 2014	The ruling is yet to come but there were several individual out-court settlements. See source (https://mgs-bengodan.net).
21.	Kyushu 福島原発事故被害救済九州訴訟	Fukuoka DC	54 (21 households, including 6 from Fukushima and 9 from the Kanto area)	TEPCO and the State	Kyushu 福島原発事故被害救済九州弁護士団	9 March, 9 September 2014	
22.	Ehime 福島原発事故愛媛訴訟	Matsuyama DC In appeal in Takamatsu HC	25 (10 households; 1 of forced evacuees and 9 of voluntary)	TEPCO and the State	'Refugees' 避難者弁護士団	10 March 2014	26 March 2019. TEPCO and the State. Approximately 27,43 million for 25 plaintiffs.
23.	Okayama 福島原発おかやま訴訟	Okayama DC	103 (39 households, including 2 of forced evacuees and 31 of voluntary)	TEPCO and the State	Okayama 岡山原発被災者弁護士団	10 March 2014	
24.	Hiroshima 福島原発ひろしま訴訟	Hiroshima DC	33 (11 □ households, including 1 from Itamura's Emergency Evacuation Zone)	TEPCO and the State	Hiroshima 福島原発ひろしま訴訟避難者弁護士団	10 September 2014	
25.	Kashima Ward 鹿兒島区訴訟	Fukushima DC	270 (107 households of Kashima-ku, Minamisoma (Temporary Evacuation Zone)	TEPCO and the State	East Japan Seism 東日本大震災による原発事故被災者支援弁護士団	29 October 2014; 20 March 2015	
26.	Odaka 小高区訴訟	Tokyo DC	344 (126 households from Odaka ward, Minamisoma, mostly areas in the former evacuation zone)	TEPCO and the State	Living in Odaka! 小高に生きる! 原発被害者弁護士団	19 December 2014	
27.	Miyakojichō 都路町訴訟	Fukushima DC, Koriyama Branch	582 (184 households from Miyakojichō, Tamura City)	TEPCO and the State	East Japan Seism 東日本大震災による原発事故被災者支援弁護士団	9 February, 10 Sept. 2015	
28.	Tsushima	Fukushima DC, Koriyama Branch	663 (224 households from the Tsushima area of Namie-machi (once designated as "difficult to return")	TEPCO and the State	"Give us back our hometown" Tsushima □ふるさとを返せ! 津島原発訴訟! □ 弁護士団	29 Sept. 2015; 14 Jan. 2016	
29.	Odaka 2	Fukushima DC	398 (126 households from Odaka ward, Minamisoma, mostly areas in the former evacuation zone)	TEPCO and the State	East Japan Seism 東日本大震災による原発事故被災者支援弁護士団	19 Oct. 2015	

30.	Namie-machi 浪江町原発訴訟	Fukushima DC	411 (174 households from Namie-machi's "difficult to return zone", etc.)	TEPCO and the State	Namie-machi 浪江町支援弁護団	27 November 2018	
31.	Minamisoma 20 millisieverts evacuation standard withdrawal suit 南相馬・避難20ミリシーベルト基準撤回訴訟	Tokyo DC	808 (206 households from Minamisōma)	The State	Minamisoma Evacuation Problem 南相馬避難解除問題弁護団 This group is not formally affiliated to Gensoren	7 July 2018	
32.	Children Away from Radiation Exposure 子ども脱被ばく裁判	Fukushima DC	35 children and 166 parents	The State and Fukushima Prefecture	子ども脱被ばく裁判弁護団 (http://fukusima-sokaisaiban.blogspot.com/)	29 August 2014	
33.		Fukushima DC	About 50	TEPCO	? This group is not affiliated to Gensoren	2016	19 Feb.2020. TEPCO. 12 million. The plaintiffs urged TEPCO not to appeal and pay this compensation. (NHK 19.2.2020)

Plaintiffs' total: 12,409 Number of judgments handed as for 30 March 2020: 13 (average time: 5 years) First date of launching: 3 March 2012 (1. Iwaki) First date of judgment: 17 March 2017 (10. Maebashi) Number of cases suing both TEPCO and the State: 26 Judgments condemning both TEPCO and the State: 8 Judgments condemning TEPCO only: 4 Judgments finding TEPCO and the State non liable: 1

Sources: Unless otherwise mentioned, this synthesis is mainly based on printed documents provided by Gensoren (Tokyo, 12 November 2019). Additional information was collected from several news sites, and Gensoren

(<http://www.jnep.jp/b-fukushima/gensoren/genkokudan/genkokudan.html>); The Japan Bar Association (日本弁護士連合会), Lawyers' White Book

(https://www.nichibenren.or.jp/library/pdf/document/statistics/2019/3-6-4_2019.pdf) (弁護士白書) 2019, p.141; The Kyoto Lawsuit Plaintiffs Group, Overview of the Nationwide Lawsuits [Seeking] Compensation for the Nuclear Power Plant [Disaster]

(<https://houteisien.wordpress.com/2018/06/15/%E2%97%86%E5%85%A8%E5%9B%BD%E3%81%AE%E5%8E%9F%E7%99%BA%E8%B3%A0%E5%84%9F%E8%A8%B4%E8%A8%9F%E3%81%AE%E4%B8%80%E8%A6%A7/>) (全国原発賠償訴訟一覽), 2018; Niigata Lawyers' Group

(<https://niigatagoudou-lo.jp/%E7%A6%8F%E5%B3%B6%E5%8E%9F%E7%99%BA%E8%A2%AB%E5%AE%B3%E6%95%91%E6%B8%88%E3%80%80%E6%96%B0%E6%BD%9F%E7%9C%8C%E5%BC%81%E8%AD%B7%E5%9B%A3%E3%81%AE%E5%8B%95%E3%81%8D/>) 新潟県弁護団, 2013; Friends Of the Earth, Japan, Minamisoma 20 mSv

(http://www.foejapan.org/energy/fukushima/191124.html?fbclid=IwAR11MxdI1C8nBfFxBnbqFKGjcuiJHOTysxnHufc-PrhwQxoy1Z8SREF90c_4#191211), November 2019; Children Away from Radiation Exposure 子ども脱被ばく裁判のブログ (<http://datsuhibaku.blogspot.com/>).

²³ **Table 2. Compensation for the Victims of Fukushima Nuclear Disaster: State and Tepco's Schemes Compared to Collective Lawsuits Rulings**

	Forced Evacuees From Zones 避難指示:				Voluntary Evacuees 自主避難	
	1) Where return is "difficult" 帰還困難区域	2) Of "Restricted Living" 居住制限区域	3) Where "evacuation order is to be lifted" 避難指示解除準備区域	4) Other areas (Minamisoma, etc.) 中間区域等	Children and pregnant women 18歳以下、妊婦	Others

Nuclear Damage Compensation Dispute Review Board and TEPCO Compensation Schemes' Standards □ 原子力損害賠償紛争審査会中間指針及び東電の自主賠償基準

Monthly allowance (until March 2017)	100,000, up to a cumulated maximum of 7.5 million	100,000 up to a cumulated maximum of 8.5 million	100,000 up to a cumulated maximum of 8.5 million	100,000 up to a cumulated maximum of 1.8 million	-	-
One time payment	Up to 7 million	-	-	-	From 200,000 to 680,000 +80,000	80,000

Lawsuits Rulings □ 民事訴訟判決

Case, District Court (Date): Total amount, plaintiffs.							
1.	Maebashi (17 March 2017): 38.5 million to 137 plaintiffs.	-	-	-	From 2.5 to 5 million (the sum above 1.8 million means a premium)	From 200,000 to 700,000 (premium: 120,000 to 620,000)	-
2.	Chiba (22 Sept. 2017): About 150 million to 42 plaintiffs.	Premium up to 300,000	Premium: From 300,000 to 400,000	Premium: From 300,000 to 400,000	Premium: 500,000	Premium (children): 500,000	Premium: 300,000
3.	<i>Nariwai o kaese</i> , Fukushima (10 Oct. 2017): About 4.9 million to 2900 plaintiffs.	Daily fees: Additional 200,000	No premium	No premium	Children and pregnant women: 110,000 (30,000 premium)	-	-
		Return fees: 1 million (no premium)	Denied	Denied			
4.	Tokyo (7 Feb. 2018): About 1,1 billion to 321 plaintiffs.	-	Premium: 3 million (in addition to 8.5 million)	Premium: 3 million (in addition to 8.5 million)	-	-	-
5.	Tokyo (16 March 2018): About 60 million to 42 plaintiffs.	-	-	-	Premium: 3 million (in addition to 1.8 million)	From 1.1 to 1.9 million (premium: 1,020,000 to 1,820,000)	From 700,000 to 2 million (premium: 620,000 to 1,92 million)

6.	Kyoto (15 March 2018). About 110 million to 110 plaintiffs).	-	-	-	Premium: 100,000 (in addition to 1.8 million)	600,000	300,000
7.	Fukushima (Hamadori, Iwaki, 22 March 2018): About 612,4 million to 213 plaintiffs).	1.5 million premium (in addition to cumulated 14.5 million)	1.5 million premium (in addition to cumulated 8.5 million)	1.5 million premium (in addition to cumulated 8.5 million)	700,000 premium (in addition to 1.8 million base)	-	-
8.	Kanagawa (Yokohama, 20 Feb. 2019): About 420 million to 175 plaintiffs.	500,000 premium (in addition to 14.5 million)	500,000 to 450,000 premium (in addition to 14.5 million)	500,000 to 450,000 premium (in addition to 14.5 million)	700,000 premium (in addition to 700,000 or 1.8 million base)	1 million (premium: 280,000 to 720,000)	Parents: 600,000 (premium: 480,000 to 560,000) Others: 300,000 (premium: 180,000 to 260,000)
9.	Chiba 2 (14 March 2019): 5 million to 9 plaintiffs.	-	-	-	700,000 premium (in addition to 700,000 or 1.8 million base)	600,000 (no premium)	300,000 (premium: 180,000)
10.	Ehime (Matsuyama, 26 March 2019): About 27,43 million to 25 plaintiffs.	-	-	-	1.5 million premium (in addition to 8.5 million)	Children: 800,000	Adults: 500,000
11.	Nagoya (2 Aug. 2019): About 96,83 million to 109 plaintiffs.	500,000 premium (in addition to 14.5 million)	-	-	-	1 million (premium: 280,000 to 720,000)	300,000 (premium: 220,000)
12.	Hokkaido (10 March 2020) About 16.5 million for 257 plaintiffs						

Source: Printed documents provided by Gensōren, Tokyo, 12 November 2019; Maeda et al 2019: 8-10, 69.